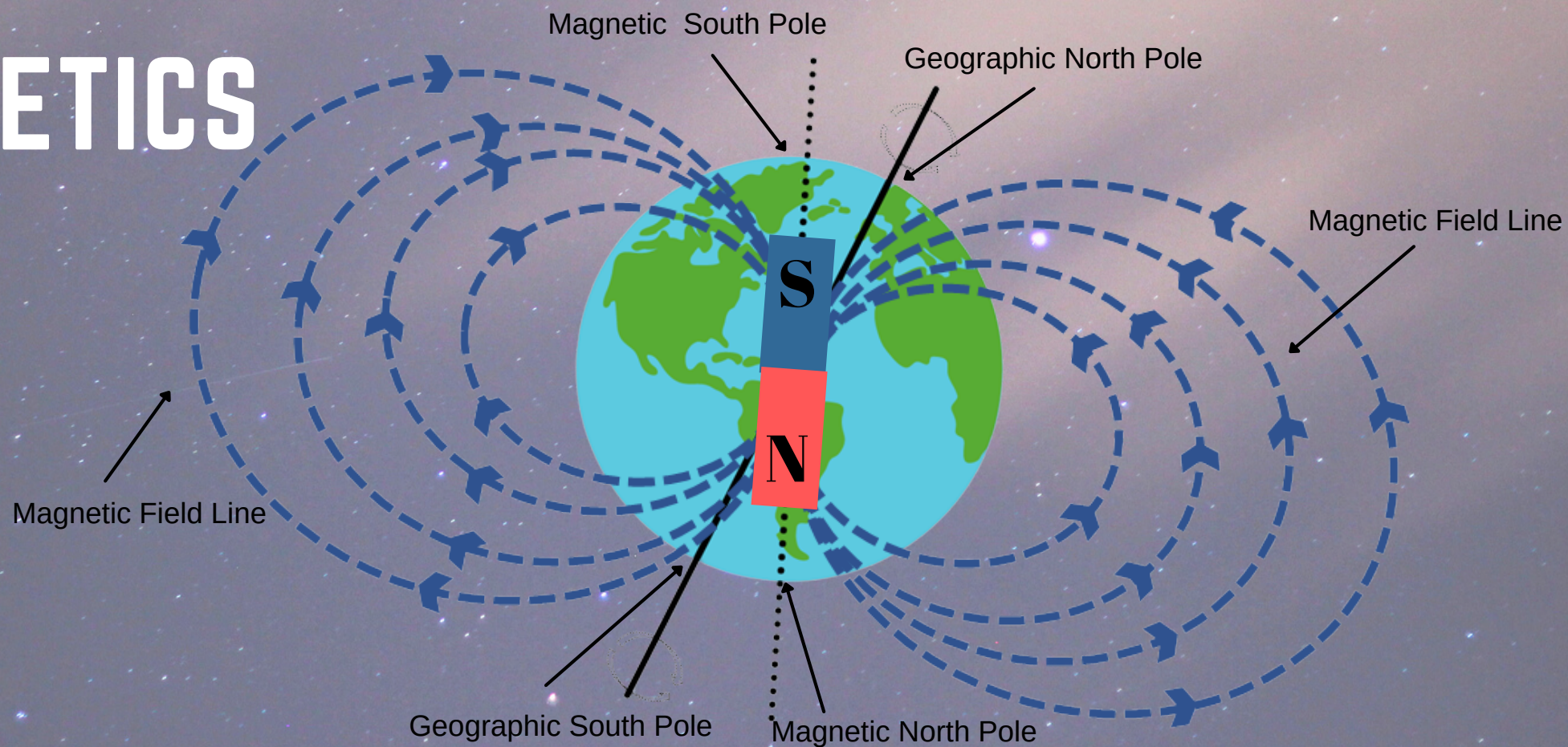




BMKG

# GEOMAGNETICS REPORT 2020



**TANGERANG GEOPHYSICS STATION**



## FOREWORD

A big thanks we pray to God Almighty because of His Mercy, Geomagnetic Report 2020 of the Tangerang Geophysics Station can be completed. This report consist of the record of magnetic data by variograph digital (Lemi-018), proton precision magnetometers, Declination Inclination Magnetometers (DIM) and proton portable magnetometers for a period of 1 (one) year. Absolute magnetic observations are always carried out every Wednesday and Friday, meanwhile the digital measurements are recorded 24 hours for a year. In 2020, Tangerang Geophysics Station didn't record any indication of magnetic storm event.

It is our hope that this publication will be useful for scientists and researchers, policy- and decision-makers, as well as practitioners working in the frontline of leveraging the scientific knowledge on global environment change. This Geomagnetic Report is still far from perfect, we hope for suggestions and feedback for this report.

**Tangerang, January 2021**

**HEAD OF TANGERANG  
GEOPHYSICS STATION**

**SUWARDI**

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## INTRODUCTION

This yearbook presents the result of the magnetic measurements at Tangerang (TNG) Geomagnetic Observatory in 2020. Tangerang Geophysics Station was established in 1964 with one of the activities is geomagnetic measurement.

The location of the station is about 25 km Western of Jakarta.

The Tangerang Geophysics Station is located in:

Geographic Latitude	: 06 10.29 S
Geographic Longitude	: 106 38.81 E
Elevation	: 11.37 meters
Local Mean Time	: 105 E (GMT + 7 hours)
Environment	: Ricefields and Houses
Base	: Sandstone

There are two kind of geomagnetic measurements, they are Absolute Measurements and Digital Measurements.

Absolute Measurements are taken twice a week, the instrument used are:

1. DIM - 100 for Declination and Inclination component
2. Proton Magnetometer for Total Intensity

Digital Measurements are recorded 24 hours, the instrument used are:

1. Variograph Digital for Horizontal, Vertical, Declination, Inclination, X and Y variation
2. Proton Magnetometer Digital for Total Intensity.

The other activities at Tangerang Geophysics Station are:

1. Climatology Observation.
2. Seismology observation.
3. Lighting Monitoring.
4. Air and Water Pollution Monitoring.

## **TANGERANG GEOMAGNETIC REPORT EDITORIAL STAFF**

### **Publisher**

Tangerang Geophysics Station

### **Chief Editor**

Suwardi

### **Managing Editor**

Urip Setiyono

### **Desk Editor**

Tata Subrata

Anak Agung Istri Dwilyantari

### **Redactor**

Agus Mansyur

Lintang Kesumastuti

Kevin Dwi Wicaksono

### **Observer**

Tata Subrata; Nindita Dewi Tiurlan; Purnama Nugroho; Wibowo Hadi Yuwono; Iksan Setiadi;  
Hata Abdul Karim; Nirawati; Eresia Nindia Winata; Mohammad Hairidzulhi; Agus Mansyur; Dinda Ayu Andiyani Putri; Sri Hartatik;  
Budiman; Eka Nurjanah W; Lintang Kesumastuti; Fanny Noor A.; Maria Evy T.; Rr. Kustita Yustina;  
Anak Agung Istri Dwilyantari; Amalia Nasrurroh; Kevin Dwi Wicaksono

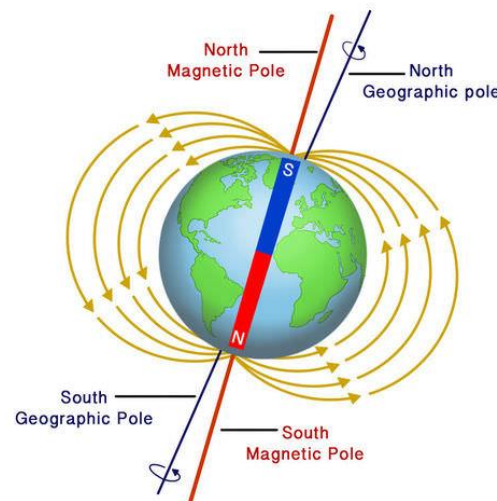
**TABLE OF STATION OFFICER'S NAME**

NO	NAME	JOB
1	Suwardi	Head of Geophysical Station
2	Fauzik Darmawan	Chief of Administration Support
3	Urip Setiyono	Coordinator of Data and Information Section
4	Mohammad Hairidzulhi	Technical Officer
5	Agus Mansyur	Technical Officer
6	Tata Subrata	Technical Officer
7	Wibowo Hadi Yuwono	Technical Officer
8	Purnama Nugroho	Technical Officer
9	Nindita Dewi Tiurlan	Technical Officer
10	Dinda Ayu Andriyani Putri	Technical Officer
11	Eka Nurjanah Wulandari	Technical Officer
12	Nirawati	Technical Officer
13	Rr. Kustita Yustina	Technical Officer
14	Iksan Setiadi	Technical Officer
15	Fanny Noor Agustiani	Technical Officer
16	Lintang Kesumastuti	Technical Officer
17	Sri Hartatik	Technical Officer
18	Hata Abdul Karim	Technical Officer
19	Eresia Nindia Winata	Technical Officer
20	Maria Evy T.	Technical Officer
21	Budiman	Technical Officer
22	Anak Agung Istri Dwilyantari	Technical Officer
23	Amalia Nasrurroh	Technical Officer
24	Kevin Dwi Wicaksono	Technical Officer
25	Tutik Erlawati	Administration Staff
26	Zefanya Mark Revel Hetharia	Administration Staff

## EARTH MAGNETISM

Earth's magnetic field can be described as Magnet field generated by a giant bar magnet located within the earth's core, but doesn't coincide with the geographic north-south line of the earth. While the magnetic field strength comes largely from within the earth itself (98%) or magnetic fields (internal field), while the rest (2%) caused by magnetic induction rocks of the crust and the outer space. Internal magnetic field derived from the earth's core (inner core) and crust (crustal earth). Some of the reasons that the Earth has a magnetic field are:

1. The high-speed rotation of the Earth.
2. The process of mantle convection with the outer core of the earth (be lumpy).
3. The inner core (solid) is conductive, iron-rich content.



The magnetic field is expressed as the magnitude and direction (vector), the direction is expressed as declination (deviation to the north-south geographic) and inclination (deviation from the direction of the horizontal magnetic north pole).

**Declination** is a large deviation angle to the direction of magnetic to the north-south geographic.

**Inclination** is a large deviation angle to the direction of magnetic to the horizontal direction (Reynolds, 1995).



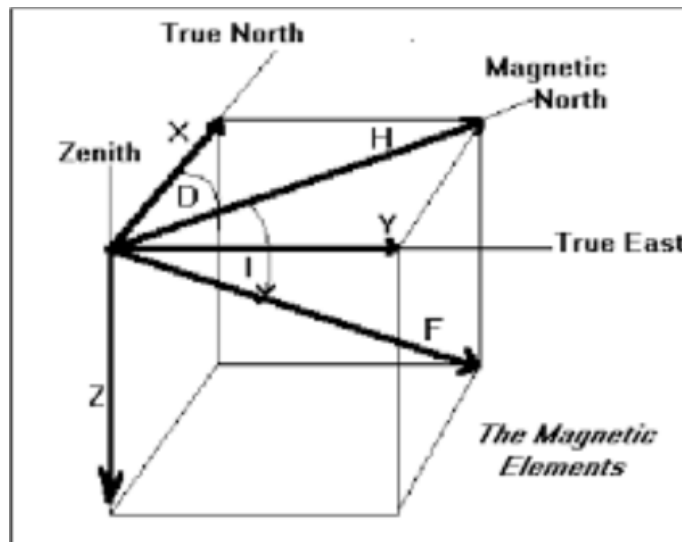
## GEOMAGNETIC POLE

Geomagnetic poles is the intersection angle of the geographic poles of the magnetic axis of the earth with the rod hypotheses that were placed in the center of the earth and is estimated as the geomagnetic field. There is a sort of polar each hemisphere and polar called geomagnetic north pole and south geomagnetic poles.

note: the earth has two poles are often known as geomagnetic poles which is the theoretical poles where the magnetic axis makes an angle of  $11.5^\circ$  with the axis of rotation of the earth is at:

- The magnetic north pole is located in the Canadian Arctic Island with latitude  $75.5^\circ$  BT and  $100.4^\circ$  BB longitude.
- Magnetic south pole is located in the Coast of Antarctica's South of Tasmania with a latitude of  $66.5^\circ$  LS and  $140^\circ$  BT longitude.

The figure below describes the principle of magnetic methods are illustrated using a cube-shaped object, then the components used on the principle














of magnetic methods that relied on the x-axis (geographic north) and the y-axis (east geographical), then determined the direction of the magnetic meridian (H ) which is to get the value of the angle formed from the geographic north direction toward magnetic north is to calculate the value of the declination, and then determined the direction of the total intensity (F) which is to get the value of the angle formed by the direction of the magnetic meridian (H) to the total intensity is by calculating the value of inclination, and the z-axis acts as the depth direction.

**7 magnetic variables:** (F) is the total intensity, (H) is Horizontal Intensity, (X) is North Components, (Y) is East Components, (Z) is the Vertical Component, (I) is The Geomagnetic Inclination, (D) is Geomagnetic declination (Reynolds, 1995).

## LAYOUT OF TANGERANG GEOMAGNETIC OBSERVATORY

### Information :

1.  Observation Building
2.  Main Office Building
3.  Office House
4.  Climatology Observation Park
5.  Parking Area
6.  Fishpond
7.  Security Post
8.  Guard Rail
9.  Pavement
10.  Generator Building
11.  STMKG Dormitory



# MONTHLY AND ANNUAL MEANS CATALOG FOR THE YEAR OF 2020

MONTH	ALL							QUIET							DISTURB						
	H in nT	Z in nT	F in nT	I	D	X in nT	Y in nT	H in nT	Z in nT	F in nT	I	D	X in nT	Y in nT	H in nT	Z in nT	F in nT	I	D	X in nT	Y in nT
	39000	-22000	44000	-30 Deg.	0 Deg.	39000	0	39000	-22000	44000	-30 Deg.	0 Deg.	39000	0	39000	-22000	44000	-30 Deg.	0 Deg.	39000	0
	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus	plus
JAN	113	-12	881	0.63	0.602	111	411	113	-9	880	0.63	0.602	111	410	107	-7	874	0.63	0.604	105	412
FEB	113	-11	881	0.63	0.601	111	410	119	-9	886	0.64	0.599	117	409	102	-14	873	0.62	0.604	100	412
MARCH	121	-1	884	0.65	0.599	119	409	127	1	887	0.65	0.597	124	408	115	0	877	0.64	0.601	112	410
APR	121	5	880	0.65	0.591	119	403	129	10	885	0.66	0.591	127	403	111	3	873	0.65	0.589	109	402
MAY	133	10	888	0.67	0.585	131	399	138	12	891	0.67	0.583	136	398	129	8	885	0.66	0.586	127	401
JUNE	138	15	890	0.68	0.581	136	397	139	16	890	0.68	0.579	137	396	132	14	886	0.67	0.581	130	397
JULY	137	26	884	0.69	0.585	135	400	138	27	885	0.69	0.584	136	399	124	27	872	0.68	0.584	122	399
AUGUST	139	33	882	0.70	0.583	137	399	142	31	886	0.70	0.583	140	399	127	30	873	0.69	0.584	125	399
SEPT	134	37	876	0.70	0.582	132	397	142	37	883	0.70	0.583	140	398	120	34	865	0.69	0.579	118	396
OCT	138	44	876	0.71	0.581	136	397	141	44	878	0.71	0.580	139	396	129	43	868	0.70	0.580	127	396
NOV	137	54	870	0.72	0.577	135	394	148	47	883	0.72	0.577	146	394	122	54	857	0.71	0.577	120	394
DEC	159	45	893	0.72	0.572	157	391	157	45	891	0.72	0.575	155	393	158	43	894	0.72	0.569	156	389
MEAN	132	20	882	0.678	0.587	130	401	136	21	885	0.681	0.586	134	400	123	20	875	0.671	0.587	121	400

## TANGERANG MAGNETIC OBSERVATORY 2020

### K INDICES FOR THREE HOURS INTERVAL IN UT

JANUARY									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	2	3	2	2	1	3	2	17
2	-	-	-	-	-	-	-	-	-
3	3	3	3	2	1	2	1	2	17
4	3	3	3	3	2	2	3	3	22
5	3	3	4	3	3	3	4	3	26
6	3	3	3	3	3	2	2	2	21
7	2	3	3	3	2	2	2	3	20
8	3	3	3	3	3	2	2	3	22
9	2	3	3	3	3	3	1	2	20
10	3	3	3	3	3	3	1	2	21
11	3	3	3	2	2	2	2	2	19
12	2	3	3	3	2	2	2	2	19
13	3	3	3	3	3	2	2	2	21
14	3	3	3	3	3	2	1	2	20
15	2	2	2	3	2	2	3	3	19
16	3	3	4	4	3	1	1	2	21
17	2	3	3	3	2	2	3	3	21
18	4	3	3	2	2	2	3	3	22
19	3	3	2	2	2	2	3	2	19
20	3	3	3	3	2	2	3	2	21
21	3	3	3	4	3	2	2	2	22
22	4	3	6	3	2	1	1	3	23
23	2	2	3	3	2	1	2	3	18
24	2	2	3	2	2	2	3	3	19
25	4	3	3	3	3	2	3	3	24
26	3	4	4	3	3	2	3	3	25
27	3	3	4	3	2	2	3	3	23
28	4	3	2	3	3	3	3	3	24
29	3	3	2	1	2	1	1	2	15
30	3	3	2	2	2	3	3	2	20
31	3	3	2	3	2	1	1	2	17

FEBRUARY									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	3	3	2	2	2	2	3	19
2	3	3	3	2	2	2	2	3	20
3	-	-	-	-	-	-	-	-	-
4	3	2	3	3	2	2	1	3	19
5	3	3	3	2	2	2	1	2	18
6	2	3	3	3	3	3	3	2	22
7	3	3	2	3	3	3	2	3	22
8	3	2	2	2	2	2	2	2	17
9	2	2	2	3	2	2	2	2	17
10	2	3	2	2	2	2	3	2	18
11	3	3	3	2	2	2	3	3	21
12	3	3	4	3	2	2	2	2	21
13	2	2	3	3	3	2	3	2	20
14	2	3	4	4	3	3	4	3	26
15	2	2	4	3	3	3	3	3	23
16	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-
18	3	3	3	3	3	3	3	2	23
19	2	4	3	3	3	2	2	2	21
20	3	2	3	3	2	2	3	3	21
21	3	3	3	3	2	3	2	2	21
22	2	3	2	3	2	3	2	2	19
23	2	2	2	2	2	2	2	2	16
24	2	3	2	2	2	1	2	2	16
25	2	3	3	2	2	2	3	2	19
26	3	4	4	4	3	3	3	3	27
27	3	3	4	3	2	2	3	3	23
28	3	3	4	3	3	3	3	3	25
29	3	3	3	3	3	3	2	2	22

MARCH									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	3	2	3	3	2	2	0	2	17
2	2	3	2	2	2	2	2	2	17
3	3	3	2	3	3	2	1	2	19
4	3	2	2	2	3	3	3	2	20
5	2	2	3	3	2	2	2	2	18
6	2	3	3	4	3	2	1	2	20
7	2	2	2	2	2	1	2	3	16
8	3	3	2	2	2	2	2	4	20
9	4	3	3	3	3	2	2	2	22
10	2	2	2	2	2	1	2	2	15
11	3	4	4	3	3	3	2	3	25
12	-	-	-	-	-	-	-	-	-
13	3	2	3	3	2	2	2	2	19
14	2	2	3	3	2	1	1	2	16
15	2	2	3	3	2	2	2	2	18
16	2	2	4	3	2	1	2	3	19
17	3	3	7	2	2	2	1	2	22
18	2	2	3	3	3	2	2	3	20
19	3	2	2	3	4	2	1	1	18
20	2	2	3	2	2	2	2	2	17
21	2	3	4	2	3	3	1	2	20
22	3	3	3	2	2	1	2	2	18
23	2	3	3	3	3	2	3	1	20
24	3	2	3	2	2	1	1	2	16
25	3	3	3	2	2	1	1	2	17
26	3	4	3	2	2	2	2	2	20
27	3	2	2	2	2	2	1	3	17
28	3	2	3	2	2	1	2	2	17
29	2	3	3	3	2	3	0	1	17
30	2	2	2	2	2	3	3	2	18
31	4	4	4	3	3	3	2	2	25

Remark:

- = Data Loss

## TANGERANG MAGNETIC OBSERVATORY 2020

### K INDICES FOR THREE HOURS INTERVAL IN UT

APRIL									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	3	3	2	2	1	1	0	2	14
2	3	3	3	2	1	1	1	2	16
3	2	2	2	1	3	2	2	2	16
4	2	2	2	2	2	1	2	2	15
5	3	3	4	3	1	1	1	1	17
6	3	3	3	3	2	1	2	2	19
7	3	3	3	3	3	2	2	3	22
8	3	3	3	3	3	3	3	3	24
9	2	2	3	3	2	0	1	2	15
10	2	2	3	3	1	3	1	2	17
11	3	2	3	3	3	2	3	2	21
12	2	2	2	2	2	2	2	2	16
13	2	2	2	2	2	1	2	3	16
14	3	3	3	2	1	1	2	2	17
15	3	2	3	2	1	2	2	2	17
16	3	2	3	2	1	2	2	2	17
17	2	2	2	2	1	2	2	3	16
18	3	2	2	2	0	1	1	3	14
19	3	2	3	3	2	2	1	2	18
20	3	3	4	5	5	1	2	2	25
21	3	3	2	4	3	3	1	2	21
22	2	2	3	2	2	1	1	2	15
23	2	2	3	2	1	0	1	2	13
24	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-
26	2	3	2	2	2	2	1	2	16
27	3	2	2	2	2	2	1	2	16
28	2	1	3	2	1	2	0	2	13
29	2	3	2	2	2	2	1	2	16
30	2	2	2	2	2	2	2	2	16

MAY									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	2	3	3	1	2	1	1	15
2	2	2	2	2	2	1	1	2	14
3	2	3	3	2	2	2	3	3	20
4	3	3	2	2	1	1	2	2	16
5	2	2	2	3	2	1	1	2	15
6	2	3	4	2	0	1	1	1	14
7	2	2	2	1	3	2	1	2	15
8	2	2	2	2	2	2	2	2	16
9	2	2	2	2	2	2	2	3	17
10	2	2	3	2	3	3	4	3	22
11	2	2	3	2	2	2	1	2	16
12	2	3	4	2	2	2	2	2	19
13	2	2	4	2	1	1	2	3	17
14	3	2	4	2	3	3	3	2	22
15	-	-	-	-	-	-	-	-	-
16	2	1	2	2	2	3	3	3	18
17	2	2	2	2	2	3	3	3	19
18	3	3	2	2	3	3	3	4	23
19	4	3	2	2	2	1	2	2	18
20	-	-	-	-	-	-	-	-	-
21	3	3	1	2	0	2	3	3	17
22	3	3	2	2	3	2	2	2	19
23	2	2	2	2	1	1	2	2	14
24	2	2	2	3	3	3	0	2	17
25	1	1	2	1	2	3	2	3	15
26	-	-	-	-	-	-	-	-	-
27	3	2	3	2	3	3	3	3	22
28	3	2	2	2	2	2	3	3	19
29	4	3	3	3	3	3	3	4	26
30	4	4	4	3	3	2	3	2	25
31	2	1	3	2	1	1	1	1	12

JUNE									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	2	2	2	2	2	2	2	16
2	2	3	2	2	1	2	1	2	15
3	1	2	2	1	2	0	1	2	11
4	2	2	3	3	3	2	2	2	19
5	3	2	3	2	2	1	2	2	17
6	2	2	3	2	2	3	3	3	20
7	3	3	2	3	4	4	3	3	25
8	2	3	2	2	2	2	2	3	18
9	3	3	2	2	3	3	3	3	22
10	3	3	3	3	1	1	1	2	17
11	2	2	4	2	2	1	2	2	17
12	2	2	2	2	2	3	3	3	19
13	2	1	2	2	3	2	3	4	19
14	3	2	2	2	3	3	4	4	23
15	3	3	2	2	2	2	3	3	20
16	3	2	3	2	2	2	3	4	21
17	4	3	3	3	2	2	3	3	23
18	3	3	2	2	2	2	3	3	20
19	4	3	3	3	3	3	3	3	25
20	3	3	2	3	3	3	3	3	23
21	3	2	2	3	3	3	3	3	22
22	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-
24	3	2	2	2	3	3	3	3	21
25	3	3	3	3	3	3	3	3	24
26	3	3	3	2	3	3	3	3	23
27	2	2	3	3	3	2	3	3	21
28	3	2	3	1	2	2	3	3	19
29	3	3	2	2	3	3	3	3	22
30	3	3	3	2	3	3	3	3	23

Remark:

- = Data Loss



## TANGERANG MAGNETIC OBSERVATORY 2020

### K INDICES FOR THREE HOURS INTERVAL IN UT

JULY									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	3	2	3	2	1	0	0	2	13
4	2	3	2	2	2	3	2	2	18
5	2	2	3	2	2	1	2	2	16
6	2	2	2	2	2	1	2	2	15
7	2	2	2	2	1	1	0	1	11
8	2	3	2	2	2	2	2	3	18
9	2	3	2	2	1	0	0	1	11
10	2	2	2	1	1	0	0	2	10
11	2	2	4	2	2	1	2	2	17
12	2	3	3	2	1	2	2	2	17
13	3	2	3	3	1	2	1	3	18
14	4	3	3	2	2	2	1	2	19
15	2	2	2	2	2	2	1	2	15
16	2	2	2	2	1	2	0	1	12
17	-	-	-	-	-	-	-	-	-
18	2	2	2	2	2	1	0	2	13
19	2	2	2	2	2	1	0	1	12
20	2	2	2	2	1	1	1	2	13
21	3	3	2	2	1	1	1	3	16
22	2	2	3	1	1	1	1	2	13
23	3	2	2	2	1	2	1	2	15
24	3	3	4	3	3	4	2	2	24
25	3	2	3	3	2	1	1	3	18
26	3	2	2	2	1	1	0	1	12
27	3	3	2	2	2	1	0	1	14
28	2	3	2	1	1	1	1	2	13
29	2	3	2	1	2	1	1	2	14
30	2	3	3	1	1	1	0	2	13
31	2	2	1	2	1	0	1	1	10

AUGUST									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	2	2	1	1	1	2	2	13
2	2	2	2	4	3	4	1	2	20
3	2	3	3	3	2	4	1	2	20
4	3	3	2	2	2	2	0	3	17
5	3	2	3	1	2	1	1	2	15
6	2	3	3	2	2	1	0	2	15
7	2	2	4	2	1	1	0	1	13
8	2	2	2	2	2	1	1	2	14
9	2	2	2	2	2	1	1	1	13
10	2	2	2	2	2	1	0	2	13
11	2	2	3	1	1	1	1	1	12
12	2	2	2	2	2	1	0	2	13
13	2	3	2	2	2	1	1	2	15
14	2	2	2	2	1	1	1	2	13
15	2	3	2	2	2	1	0	2	14
16	2	3	3	2	1	2	3	3	19
17	3	2	3	2	2	2	2	1	17
18	3	2	2	3	3	1	1	2	17
19	3	2	2	2	1	1	1	2	14
20	2	2	2	2	2	2	1	3	16
21	3	4	3	2	2	2	2	2	20
22	2	2	2	2	2	2	1	2	15
23	2	3	3	2	3	2	1	2	18
24	2	2	1	2	1	1	1	2	12
25	2	2	3	2	1	2	2	2	16
26	2	3	2	3	2	2	1	2	17
27	3	3	2	2	3	1	1	2	17
28	-	-	-	-	-	-	-	-	-
29	3	2	3	3	2	2	2	2	19
30	2	4	3	2	2	2	1	2	18
31	3	3	3	4	3	2	2	2	22

SEPTEMBER									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	4	2	3	3	2	2	3	21
2	3	2	2	2	3	1	1	2	16
3	3	1	2	3	1	1	0	2	13
4	3	2	2	2	2	2	2	2	17
5	3	2	3	2	2	0	1	2	15
6	2	2	2	2	2	1	0	2	13
7	2	2	3	2	1	1	1	3	15
8	3	2	3	2	1	1	2	3	17
9	3	2	2	2	1	1	0	3	14
10	-	-	-	-	-	-	-	-	-
11	2	2	3	2	1	1	1	2	14
12	2	2	3	3	2	1	1	2	16
13	2	2	2	3	1	2	2	3	17
14	4	3	3	3	3	1	1	2	20
15	3	3	2	3	2	1	2	2	18
16	3	2	3	2	1	1	2	2	16
17	3	2	5	2	2	0	1	2	17
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	2	3	2	2	2	1	1	3	16
21	2	2	3	2	2	2	3	3	19
22	3	5	3	3	1	2	1	1	19
23	2	3	3	2	3	3	3	2	21
24	3	3	5	4	4	2	2	2	25
25	3	3	3	3	2	3	1	3	21
26	3	3	3	3	3	2	2	2	21
27	3	3	3	2	2	2	4	3	22
28	3	3	3	3	3	3	2	3	23
29	3	3	3	3	2	2	2	2	20
30	4	3	3	3	3	2	2	2	22

Remark:

- = Data Loss

## TANGERANG MAGNETIC OBSERVATORY 2020 K INDICES FOR THREE HOURS INTERVAL IN UT

OCTOBER									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	2	2	3	4	2	2	2	19
2	2	2	2	2	2	2	2	2	16
3	2	2	2	2	2	2	2	2	16
4	3	3	1	2	2	1	0	2	14
5	2	2	2	2	3	3	3	2	19
6	2	3	2	3	2	1	1	2	16
7	2	3	2	2	3	1	1	2	16
8	2	2	2	2	1	0	0	2	11
9	2	3	2	2	1	0	1	1	12
10	3	2	1	3	2	1	2	3	17
11	2	2	2	2	1	2	3	2	16
12	3	3	2	2	2	2	2	2	18
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	3	5	4	4	2	1	1	2	22
17	2	2	2	3	2	1	2	2	16
18	2	2	2	2	1	1	1	2	13
19	2	3	2	2	4	2	2	3	20
20	3	2	2	2	2	1	1	2	15
21	2	3	4	2	2	1	1	2	17
22	3	3	2	2	2	2	1	2	17
23	3	3	2	2	3	4	3	4	24
24	3	3	3	4	2	3	1	2	21
25	3	2	2	2	4	3	2	3	21
26	3	3	3	3	3	2	2	2	21
27	3	3	2	3	2	1	2	1	17
28	2	3	3	3	3	2	3	2	21
29	2	2	3	3	2	3	2	2	19
30	3	2	3	3	1	1	2	2	17
31	3	2	3	2	2	3	2	2	19

NOVEMBER									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	2	3	2	3	3	3	2	2	20
2	-	-	-	-	-	-	-	-	-
3	2	2	1	1	1	1	0	1	9
4	3	3	2	2	2	3	3	3	21
5	2	2	2	3	3	4	3	3	22
6	4	4	4	3	3	2	2	2	24
7	2	2	2	2	2	2	2	2	16
8	2	3	3	2	2	2	2	2	18
9	3	3	2	2	2	2	1	3	18
10	3	3	2	3	3	3	2	2	21
11	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-
13	7	7	5	1	2	1	1	1	25
14	3	3	2	2	2	1	2	1	16
15	1	2	2	2	1	1	0	2	11
16	2	3	2	2	1	1	1	2	14
17	2	2	2	2	2	1	0	2	13
18	3	2	2	2	1	1	1	2	14
19	1	2	2	2	1	1	1	2	12
20	2	2	2	2	2	1	2	2	15
21	2	2	2	2	3	2	2	3	18
22	3	4	3	3	4	3	1	2	23
23	1	2	3	2	2	1	1	2	14
24	2	2	2	2	1	1	0	2	12
25	1	3	3	2	3	2	1	3	18
26	2	2	3	3	3	2	2	1	18
27	2	3	2	2	3	1	1	2	16
28	2	3	3	3	2	2	1	2	18
29	2	3	2	2	2	2	0	2	15
30	2	3	3	3	2	2	1	1	17

DECEMBER									
DATE	INDICES								SUM
	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24	
	1	2	3	4	5	6	7	8	
1	3	2	2	2	1	1	1	1	13
2	2	2	2	2	1	1	1	2	13
3	2	2	2	2	2	3	1	2	16
4	2	2	3	1	1	2	1	1	13
5	2	2	2	2	2	1	2	1	14
6	2	2	2	3	2	1	2	2	16
7	2	2	2	2	1	1	0	2	12
8	2	2	4	3	4	4	4	3	26
9	3	4	4	4	4	3	4	3	29
10	-	-	-	-	-	-	-	-	-
11	3	4	4	4	4	4	4	4	31
12	3	3	4	4	4	4	4	4	30
13	3	2	3	4	4	3	3	4	26
14	3	3	4	4	4	4	4	3	29
15	3	3	3	4	4	4	4	4	29
16	4	4	5	4	4	4	4	4	33
17	4	4	4	4	4	4	4	4	32
18	6	5	5	5	5	4	4	4	38
19	4	4	4	4	5	4	4	4	33
20	4	4	4	4	4	4	4	4	32
21	4	4	4	5	4	4	4	5	34
22	4	3	3	3	4	4	4	4	29
23	3	3	4	3	3	4	4	4	28
24	4	4	4	4	4	4	3	4	31
25	3	4	4	4	3	4	4	4	30
26	3	3	4	4	4	4	4	5	31
27	4	4	4	5	5	4	4	4	34
28	3	3	3	3	4	4	4	4	28
29	4	4	4	4	4	4	4	4	32
30	4	3	4	4	4	4	4	4	31
31	3	3	3	4	4	4	4	4	29

Remark:

- = Data Loss

## TANGERANG MAGNETIC OBSERVATORY 2020

### A INDICES FOR TWENTY FOUR HOURS IN UT

JANUARY		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	8.5	Quiet
2	-	No Data
3	9	Quiet
4	13	Quiet
5	18	Quiet
6	12	Quiet
7	11	Quiet
8	13	Quiet
9	11.5	Quiet
10	12.5	Quiet
11	10	Quiet
12	10	Quiet
13	12	Quiet
14	11.5	Quiet
15	10	Quiet
16	14	Quiet
17	12	Quiet
18	13.5	Quiet
19	10	Quiet
20	12	Quiet
21	13.5	Quiet
22	20.625	Quiet
23	9.5	Quiet
24	10	Quiet
25	15.5	Quiet
26	17	Quiet
27	14.5	Quiet
28	15.5	Quiet
29	7.5	Quiet
30	11	Quiet
31	9	Quiet

FEBRUARY		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	10	Quiet
2	11	Quiet
3	-	No Data
4	10.5	Quiet
5	9.5	Quiet
6	13	Quiet
7	13	Quiet
8	8	Quiet
9	8	Quiet
10	9	Quiet
11	12	Quiet
12	12.5	Quiet
13	11	Quiet
14	18.5	Quiet
15	14.5	Quiet
16	-	No Data
17	-	No Data
18	14	Quiet
19	12.5	Quiet
20	12	Quiet
21	12	Quiet
22	10	Quiet
23	7	Quiet
24	7.5	Quiet
25	10	Quiet
26	19.5	Quiet
27	14.5	Quiet
28	16.5	Quiet
29	13	Quiet

MARCH		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	9.125	Quiet
2	8	Quiet
3	10.5	Quiet
4	11	Quiet
5	9	Quiet
6	12	Quiet
7	7.5	Quiet
8	11.5	Quiet
9	13.5	Quiet
10	6.5	Quiet
11	17	Quiet
12	-	No Data
13	10	Quiet
14	20	Quiet
15	15	Quiet
16	11	Quiet
17	25.125	Quiet
18	11	Quiet
19	10.5	Quiet
20	8	Quiet
21	12	Quiet
22	9.5	Quiet
23	11.5	Quiet
24	8	Quiet
25	9	Quiet
26	11.5	Quiet
27	8.5	Quiet
28	8.5	Quiet
29	9.625	Quiet
30	9	Quiet
31	17.5	Quiet

*Geomagnetic Storm Base on A-Indices:	
0<A≤30	Quite
31<A≤50	Minor Storm
51<A≤100	Moderate Storm
A≥100	Major Storm

Remark:  
- = Data Loss

## TANGERANG MAGNETIC OBSERVATORY 2020

### A INDICES FOR TWENTY FOUR HOURS IN UT

APRIL		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	7.125	Quiet
2	8.5	Quiet
3	7.5	Quiet
4	6.5	Quiet
5	10.5	Quiet
6	10.5	Quiet
7	13	Quiet
8	15	Quiet
9	7.625	Quiet
10	9	Quiet
11	12	Quiet
12	7	Quiet
13	7.5	Quiet
14	9	Quiet
15	8.5	Quiet
16	8.5	Quiet
17	7.5	Quiet
18	7.125	Quiet
19	9.5	Quiet
20	21.25	Quiet
21	13	Quiet
22	7	Quiet
23	6.125	Quiet
24	-	No Data
25	-	No Data
26	7.5	Quiet
27	7.5	Quiet
28	6.125	Quiet
29	7.5	Quiet
30	7	Quiet

MAY		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	7.5	Quiet
2	6	Quiet
3	11	Quiet
4	8	Quiet
5	7	Quiet
6	8.125	Quiet
7	7	Quiet
8	7	Quiet
9	8	Quiet
10	13.5	Quiet
11	7.5	Quiet
12	10.5	Quiet
13	9.5	Quiet
14	13.5	Quiet
15	-	No Data
16	9.5	Quiet
17	10	Quiet
18	14.5	Quiet
19	10	Quiet
20	-	No Data
21	9.625	Quiet
22	10	Quiet
23	6	Quiet
24	9.125	Quiet
25	7.5	Quiet
26	-	No Data
27	13	Quiet
28	10	Quiet
29	18	Quiet
30	17.5	Quiet
31	5.5	Quiet

JUNE		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	7	Quiet
2	7	Quiet
3	4.625	Quiet
4	10	Quiet
5	8.5	Quiet
6	11	Quiet
7	17	Quiet
8	9	Quiet
9	13	Quiet
10	9.5	Quiet
11	9	Quiet
12	10	Quiet
13	11	Quiet
14	15	Quiet
15	11	Quiet
16	12.5	Quiet
17	14.5	Quiet
18	11	Quiet
19	16.5	Quiet
20	14	Quiet
21	13	Quiet
22	-	No Data
23	-	No Data
24	12	Quiet
25	15	Quiet
26	14	Quiet
27	12	Quiet
28	10.5	Quiet
29	13	Quiet
30	14	Quiet

*Geomagnetic Storm Base on A-Indices:	
$0 < A \leq 30$	Quite
$31 < A \leq 50$	Minor Storm
$51 < A \leq 100$	Moderate Storm
$A \geq 100$	Major Storm

Remark:  
- = Data Loss

# TANGERANG MAGNETIC OBSERVATORY 2020

## A INDICES FOR TWENTY FOUR HOURS IN UT

JULY		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	-	No Data
2	-	No Data
3	6.75	Quiet
4	9	Quiet
5	7.5	Quiet
6	6.5	Quiet
7	4.625	Quiet
8	9	Quiet
9	5.25	Quiet
10	4.25	Quiet
11	9	Quiet
12	8.5	Quiet
13	10	Quiet
14	11	Quiet
15	6.5	Quiet
16	5.125	Quiet
17	-	No Data
18	5.625	Quiet
19	5.125	Quiet
20	5.5	Quiet
21	8.5	Quiet
22	6	Quiet
23	7	Quiet
24	16	Quiet
25	10	Quiet
26	5.625	Quiet
27	7.125	Quiet
28	6	Quiet
29	6.5	Quiet
30	6.625	Quiet
31	4.125	Quiet

AUGUST		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	5.5	Quiet
2	12.5	Quiet
3	12	Quiet
4	9.125	Quiet
5	7.5	Quiet
6	7.625	Quiet
7	7.125	Quiet
8	6	Quiet
9	5.5	Quiet
10	5.625	Quiet
11	5.5	Quiet
12	5.625	Quiet
13	7	Quiet
14	5.5	Quiet
15	6.625	Quiet
16	10.5	Quiet
17	8.5	Quiet
18	9	Quiet
19	6.5	Quiet
20	7.5	Quiet
21	11.5	Quiet
22	6.5	Quiet
23	9.5	Quiet
24	5	Quiet
25	7.5	Quiet
26	8.5	Quiet
27	9	Quiet
28	-	No Data
29	10	Quiet
30	10	Quiet
31	13.5	Quiet

SEPTEMBER		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	12.5	Quiet
2	8	Quiet
3	6.625	Quiet
4	8	Quiet
5	7.625	Quiet
6	5.625	Quiet
7	7.5	Quiet
8	9	Quiet
9	7.125	Quiet
10	-	No Data
11	6.5	Quiet
12	8	Quiet
13	8.5	Quiet
14	12.5	Quiet
15	9.5	Quiet
16	8	Quiet
17	11.75	Quiet
18	-	No Data
19	-	No Data
20	8	Quiet
21	10	Quiet
22	13.625	Quiet
23	12	Quiet
24	19.125	Quiet
25	12.5	Quiet
26	12	Quiet
27	13.5	Quiet
28	14	Quiet
29	11	Quiet
30	13.5	Quiet

*Geomagnetic Storm Base on A-Indices:	
$0 < A \leq 30$	Quite
$31 < A \leq 50$	Minor Storm
$51 < A \leq 100$	Moderate Storm
$A \geq 100$	Major Storm

Remark:

- = Data Loss



## TANGERANG MAGNETIC OBSERVATORY 2020

### A INDICES FOR TWENTY FOUR HOURS IN UT

OCTOBER		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	10.5	Quiet
2	7	Quiet
3	7	Quiet
4	7.125	Quiet
5	10	Quiet
6	8	Quiet
7	8	Quiet
8	4.75	Quiet
9	5.625	Quiet
10	9	Quiet
11	7.5	Quiet
12	9	Quiet
13	-	No Data
14	-	No Data
15	-	No Data
16	17.125	Quiet
17	7.5	Quiet
18	5.5	Quiet
19	11.5	Quiet
20	7	Quiet
21	9.5	Quiet
22	8.5	Quiet
23	16	Quiet
24	13	Quiet
25	12.5	Quiet
26	12	Quiet
27	9	Quiet
28	12	Quiet
29	10	Quiet
30	9	Quiet
31	10	Quiet

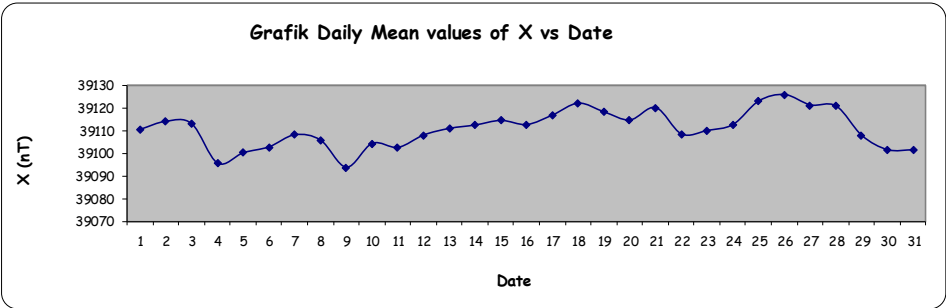
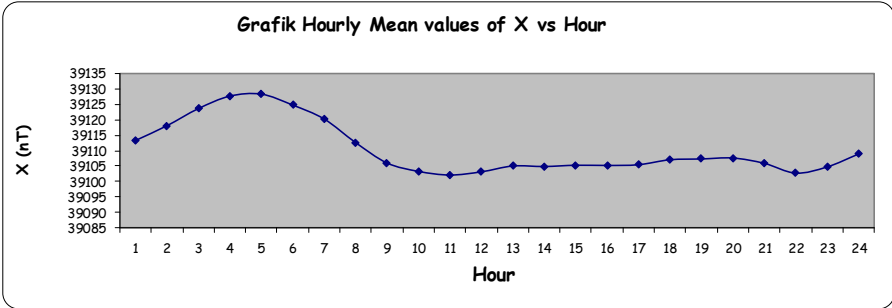
NOVEMBER		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	11	Quiet
2	-	No Data
3	3,625	Quiet
4	12	Quiet
5	13,5	Quiet
6	16,5	Quiet
7	7	Quiet
8	9	Quiet
9	9,5	Quiet
10	12	Quiet
11	-	No Data
12	-	No Data
13	43,375	Minor Storm
14	8	Quiet
15	4,625	Quiet
16	6,5	Quiet
17	5,625	Quiet
18	6,5	Quiet
19	5	Quiet
20	6,5	Quiet
21	9	Quiet
22	15,5	Quiet
23	6,5	Quiet
24	5,125	Quiet
25	10	Quiet
26	9,5	Quiet
27	8	Quiet
28	9,5	Quiet
29	7,125	Quiet
30	9	Quiet

DECEMBER		
DATE	INDICES	STORM CATEGORY
	00-24	
	1	
1	6	Quiet
2	5,5	Quiet
3	7,5	Quiet
4	6	Quiet
5	6	Quiet
6	7,5	Quiet
7	5,125	Quiet
8	19	Quiet
9	22,5	Quiet
10	-	No Data
11	25,5	Quiet
12	24	Quiet
13	18,5	Quiet
14	22,5	Quiet
15	22,5	Quiet
16	29,625	Quiet
17	27	Quiet
18	44,125	Minor Storm
19	29,625	Quiet
20	27	Quiet
21	32,25	Minor Storm
22	22,5	Quiet
23	21	Quiet
24	25,5	Quiet
25	24	Quiet
26	26,625	Quiet
27	32,25	Minor Storm
28	21	Quiet
29	27	Quiet
30	25,5	Quiet
31	22,5	Quiet

*Geomagnetic Storm Base on A-Indices:	
0<A≤30	Quite
31<A≤50	Minor Storm
51<A≤100	Moderate Storm
A≥100	Major Storm

Remark :  
- = Data Loss

X COMPONENT																									
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)																									
TANGERANG MAGNETIC OBSERVATORY																									
January-20																									
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	39102	39105	39107	39113	39118	39113	39113	39110	39106	39108	39110	39112	39111	39105	39108	39108	39108	39113	39110	39113	39115	39112	39112	39115	39110
2	39115	39112	39116	39125	39131	39128	39127	39123	39119	39110	39108	39107	39108	39105	39105	39104	39110	39112	39111	39111	39107	39105	39109	39124	39114
3D	39134	39138	39141	39143	39148	39149	39132	39123	39107	39092	39098	39105	39099	39099	39098	39095	39097	39104	39105	39106	39102	39091	39097	39102	39113
4	39104	39105	39103	39104	39103	39101	39109	39106	39102	39098	39096	39093	39094	39097	39093	39086	39080	39083	39085	39098	39090	39080	39087	39095	39095
5D	39095	39091	39093	39098	39095	39089	39097	39103	39106	39109	39106	39107	39104	39103	39101	39112	39110	39120	39106	39095	39090	39088	39088	39094	39100
6	39096	39093	39099	39116	39121	39111	39112	39111	39107	39104	39101	39096	39098	39096	39101	39102	39104	39100	39101	39095	39098	39098	39099	39103	39103
7	39106	39114	39125	39130	39125	39119	39115	39116	39107	39105	39104	39104	39104	39101	39102	39099	39099	39100	39105	39109	39105	39094	39098	39106	39108
8	39111	39112	39110	39114	39121	39126	39128	39121	39110	39103	39099	39102	39105	39099	39102	39102	39104	39099	39094	39096	39098	39094	39090	39094	39106
9D	39100	39104	39111	39119	39125	39115	39102	39085	39074	39071	39064	39080	39076	39089	39090	39102	39098	39093	39093	39090	39087	39089	39092	39098	39094
10	39103	39110	39121	39128	39130	39125	39115	39101	39097	39098	39089	39084	39088	39099	39100	39097	39100	39107	39107	39104	39099	39095	39099	39103	39104
11	39109	39114	39118	39121	39118	39110	39092	39090	39084	39086	39091	39096	39102	39100	39100	39100	39102	39103	39105	39107	39105	39099	39102	39105	39102
12Q	39109	39115	39126	39126	39127	39124	39117	39110	39101	39102	39100	39102	39103	39101	39102	39104	39105	39104	39105	39105	39101	39097	39099	39104	39108
13	39105	39113	39117	39122	39123	39121	39111	39108	39107	39108	39105	39104	39106	39108	39113	39113	39115	39114	39112	39109	39107	39105	39106	39108	39111
14Q	39112	39123	39137	39148	39151	39142	39125	39113	39106	39105	39101	39099	39100	39098	39099	39104	39103	39105	39105	39106	39103	39101	39102	39104	39112
15	39108	39116	39125	39137	39142	39135	39124	39113	39106	39097	39091	39102	39107	39107	39110	39110	39112	39119	39115	39116	39116	39109	39112	39112	39114
16D	39115	39125	39137	39141	39144	39136	39136	39125	39117	39107	39092	39089	39094	39097	39102	39104	39106	39104	39107	39107	39103	39099	39105	39108	39112
17	39115	39119	39124	39127	39130	39130	39128	39120	39116	39115	39112	39113	39115	39112	39111	39110	39104	39109	39114	39118	39115	39113	39114	39116	39117
18	39129	39140	39141	39143	39151	39141	39130	39124	39113	39108	39106	39108	39111	39112	39112	39112	39117	39120	39121	39120	39118	39114	39113	39118	39122
19	39125	39133	39141	39146	39144	39131	39121	39110	39106	39108	39111	39113	39113	39109	39109	39110	39113	39113	39115	39115	39113	39111	39108	39113	39118
20Q	39120	39120	39118	39118	39119	39120	39118	39111	39109	39111	39110	39113	39114	39115	39113	39111	39113	39113	39115	39114	39113	39110	39112	39117	39114
21	39127	39135	39144	39147	39143	39139	39131	39122	39112	39116	39127	39130	39130	39130	39116	39104	39094	39106	39105	39104	39101	39100	39104	39111	39120
22	39115	39120	39121	39119	39121	39118	39138	39096	39100	39101	39097	39094	39094	39095	39101	39102	39105	39104	39108	39107	39102	39110	39115	39116	39108
23Q	39117	39118	39123	39127	39129	39126	39119	39117	39111	39106	39103	39101	39104	39105	39104	39102	39102	39102	39102	39103	39108	39103	39101	39105	39110
24	39110	39114	39120	39120	39120	39118	39117	39118	39111	39106	39109	39110	39108	39107	39108	39110	39109	39107	39111	39111	39113	39111	39112	39120	39112
25	39133	39143	39153	39156	39144	39133	39128	39120	39115	39114	39114	39116	39117	39115	39113	39112	39113	39115	39114	39116	39117	39115	39116	39118	39123
26	39123	39129	39146	39160	39164	39156	39145	39131	39116	39113	39116	39117	39118	39114	39114	39115	39114	39115	39116	39117	39119	39118	39119	39117	39126
27	39124	39132	39137	39142	39142	39139	39138	39132	39123	39118	39112	39111	39113	39114	39113	39111	39111	39112	39112	39112	39113	39111	39113	39119	39121
28	39129	39139	39142	39139	39137	39131	39123	39112	39107	39107	39117	39119	39119	39120	39119	39114	39112	39118	39117	39123	39119	39110	39111	39110	39121
29	39116	39125	39126	39118	39112	39118	39115	39106	39096	39097	39101	39103	39104	39102	39103	39103	39103	39101	39102	39102	39100	39101	39111	39114	39108
30	39104	39101	39106	39106	39101	39112	39113	39107	39099	39089	39087	39084	39099	39099	39102	39101	39103	39102	39104	39104	39103	39100	39101	39105	39101
31	39104	39101	39106	39106	39101	39112	39113	39107	39099	39089	39087	39084	39099	39099	39102	39101	39103	39102	39104	39104	39103	39100	39101	39105	39101
Mean	39113	39118	39124	39128	39128	39125	39120	39113	39106	39103	39102	39103	39105	39105	39105	39105	39105	39106	39107	39108	39106	39103	39105	39109	39111
Q	39114	39119	39126	39130	39132	39128	39120	39113	39107	39106	39104	39104	39105	39105	39105	39105	39106	39106	39107	39107	39107	39106	39103	39107	39111
D	39111	39115	39120	39125	39128	39122	39117	39109	39101	39095	39090	39095	39093	39097	39098	39103	39103	39105	39103	39100	39095	39092	39095	39100	39105



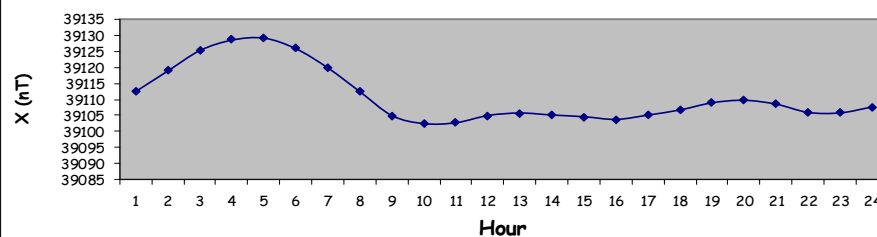
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

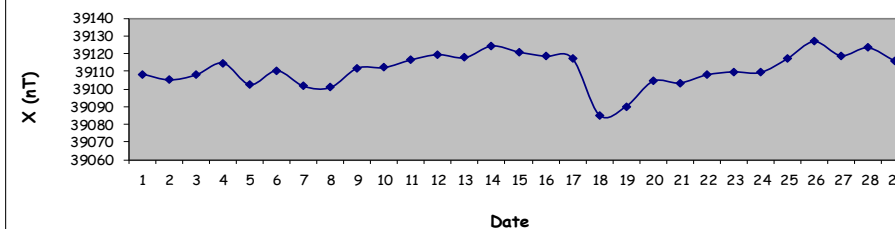
February-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	39105	39107	39113	39118	39121	39121	39118	39115	39109	39106	39107	39109	39110	39106	39103	39099	39099	39103	39103	39109	39109	39106	39103	39103	39108
2	39103	39101	39105	39108	39110	39109	39111	39111	39108	39105	39103	39106	39106	39107	39106	39107	39106	39104	39109	39105	39100	39099	39098	39096	39105
3	39102	39105	39111	39115	39114	39106	39101	39101	39106	39110	39106	39103	39104	39105	39104	39104	39104	39108	39111	39113	39112	39111	39114	39121	39108
4	39129	39134	39133	39137	39141	39139	39128	39115	39104	39098	39096	39103	39111	39110	39111	39105	39111	39113	39112	39106	39100	39108	39106	39101	39115
5	39103	39104	39106	39104	39101	39101	39099	39101	39100	39098	39098	39104	39102	39104	39103	39102	39101	39103	39107	39107	39103	39100	39101	39105	39102
6D	39110	39114	39124	39127	39131	39133	39112	39100	39103	39114	39115	39108	39107	39102	39095	39095	39103	39108	39109	39105	39115	39104	39106	39107	39110
7D	39111	39111	39110	39095	39102	39106	39104	39096	39094	39099	39100	39098	39093	39089	39097	39093	39094	39103	39108	39107	39111	39108	39103	39105	39101
8	39107	39109	39113	39121	39121	39118	39110	39103	39098	39094	39094	39098	39098	39096	39095	39094	39091	39094	39093	39094	39094	39091	39094	39098	39101
9	39108	39121	39129	39141	39140	39131	39117	39109	39101	39102	39100	39108	39107	39106	39103	39105	39107	39105	39107	39108	39108	39107	39108	39106	39112
10	39114	39121	39132	39139	39137	39124	39108	39096	39092	39095	39103	39106	39111	39110	39108	39107	39108	39112	39114	39117	39109	39108	39113	39110	39112
11	39122	39125	39128	39134	39134	39127	39123	39119	39112	39106	39108	39109	39112	39110	39108	39108	39110	39112	39115	39113	39116	39113	39117	39117	39117
12	39118	39128	39140	39145	39152	39151	39143	39134	39126	39112	39101	39105	39112	39113	39112	39109	39109	39110	39112	39111	39109	39104	39106	39104	39120
13Q	39107	39115	39125	39134	39138	39136	39131	39122	39111	39109	39109	39115	39113	39115	39116	39115	39113	39114	39115	39118	39116	39113	39112	39114	39118
14Q	39117	39125	39135	39141	39144	39140	39136	39130	39123	39121	39119	39119	39121	39121	39119	39120	39120	39121	39122	39122	39120	39119	39118	39118	39124
15	39119	39123	39130	39137	39136	39132	39130	39127	39126	39127	39122	39113	39106	39109	39115	39118	39119	39116	39117	39120	39118	39115	39114	39115	39121
16	39119	39125	39129	39132	39133	39131	39126	39117	39111	39109	39113	39116	39117	39116	39109	39110	39116	39115	39115	39114	39115	Lost	Lost	Lost	39119
17	39118	39120	39124	39130	39133	39136	39130	39119	39109	39105	39110	39116	39117	39116	39114	39114	39118	39116	39112	39114	39115	39112	39108	39115	39117
18D	39122	39133	39138	39141	39133	39119	39101	39084	39078	39074	39069	39069	39061	39065	39054	39029	39040	39045	39075	39073	39078	39079	39087	39095	39085
19	39103	39111	39114	39105	39088	39086	39090	39086	39066	39065	39067	39074	39075	39080	39090	39090	39094	39095	39097	39098	39094	39095	39096	39099	39090
20	39104	39111	39110	39112	39117	39111	39109	39107	39104	39104	39102	39097	39091	39088	39087	39098	39103	39104	39109	39119	39114	39110	39097	39095	39104
21D	39102	39118	39128	39127	39126	39114	39104	39097	39082	39079	39087	39096	39101	39100	39104	39100	39098	39110	39099	39102	39100	39100	39101	39105	39103
22	39106	39110	39117	39120	39124	39128	39120	39108	39100	39102	39098	39104	39107	39107	39102	39110	39097	39100	39108	39113	39104	39102	39101	39102	39108
23	39105	39115	39122	39125	39128	39125	39118	39107	39098	39095	39103	39108	39109	39106	39104	39106	39111	39113	39113	39110	39104	39104	39100	39102	39110
24Q	39108	39116	39127	39126	39121	39116	39112	39105	39100	39099	39105	39107	39109	39106	39108	39108	39108	39109	39110	39111	39107	39100	39102	39104	39109
25Q	39114	39125	39135	39144	39145	39140	39131	39121	39107	39101	39104	39109	39109	39109	39111	39112	39112	39113	39113	39112	39112	39110	39111	39113	39117
26	39121	39132	39144	39148	39150	39150	39150	39144	39129	39118	39120	39124	39124	39125	39123	39120	39119	39114	39114	39111	39116	39114	39117	39120	39127
27	39123	39130	39135	39141	39145	39145	39139	39131	39116	39103	39098	39101	39107	39110	39110	39111	39113	39115	39114	39116	39116	39114	39112	39112	39119
28	39117	39127	39137	39143	39144	39141	39136	39128	39121	39116	39115	39117	39120	39116	39118	39118	39118	39120	39121	39120	39120	39117	39113	39122	39123
29	39126	39134	39141	39138	39138	39136	39137	39126	39109	39106	39107	39103	39110	39102	39102	39103	39106	39102	39108	39112	39112	39104	39106	39112	39116
Mean	39113	39119	39125	39129	39129	39126	39120	39112	39105	39102	39103	39105	39106	39105	39105	39104	39105	39107	39109	39110	39109	39106	39106	39108	39111
Q	39112	39121	39130	39136	39137	39133	39128	39119	39110	39107	39109	39112	39113	39113	39114	39114	39113	39114	39115	39116	39114	39110	39111	39112	39117
D	39111	39119	39125	39123	39123	39118	39105	39094	39089	39091	39093	39093	39090	39089	39087	39079	39084	39091	39097	39097	39101	39098	39099	39103	39100

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



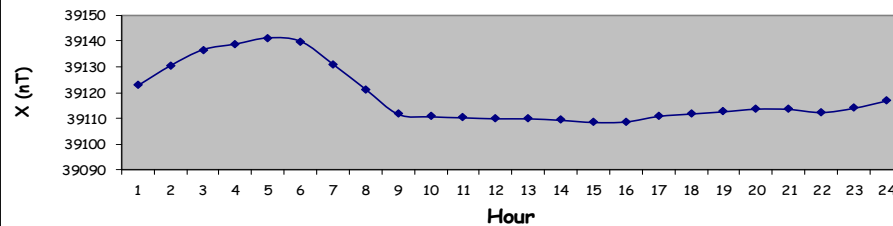
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

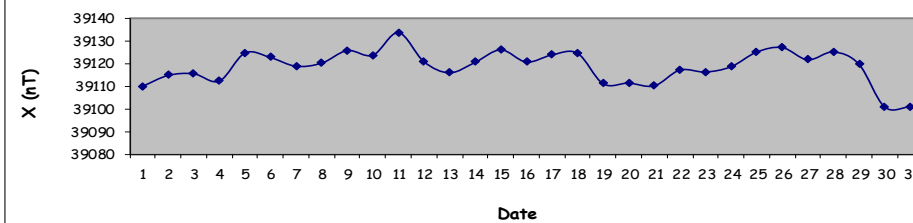
March-20

DATE	HOUR																							MEAN
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
1	39115	39121	39123	39127	39127	39126	39119	39107	39100	39103	39095	39096	39101	39105	39106	39108	39106	39110	39107	39107	39107	39108	39108	39110
2	39108	39111	39118	39120	39124	39124	39120	39107	39100	39102	39104	39110	39113	39115	39114	39119	39118	39114	39118	39118	39119	39120	39121	39115
3	39123	39123	39120	39127	39130	39132	39130	39119	39113	39112	39110	39104	39102	39107	39113	39116	39112	39111	39114	39113	39110	39105	39112	39114
4D	39119	39125	39129	39128	39130	39129	39126	39115	39105	39107	39109	39110	39110	39107	39101	39092	39108	39099	39096	39103	39107	39108	39114	39115
5	39122	39131	39137	39143	39144	39140	39138	39129	39123	39119	39119	39114	39113	39118	39120	39118	39115	39117	39123	39124	39121	39120	39121	39122
6	39124	39135	39142	39145	39150	39156	39153	39131	39127	39121	39111	39097	39100	39112	39106	39107	39108	39113	39115	39117	39116	39118	39118	39121
7	39126	39137	39141	39138	39140	39134	39125	39106	39094	39100	39108	39110	39109	39108	39108	39113	39114	39115	39118	39121	39118	39119	39120	39126
8	39133	39137	39143	39141	39140	39138	39130	39120	39113	39109	39110	39109	39109	39105	39104	39107	39111	39113	39114	39113	39116	39121	39125	39127
9	39137	39148	39159	39153	39146	39137	39124	39118	39116	39115	39121	39124	39124	39123	39118	39122	39120	39119	39121	39118	39117	39113	39112	39114
10	39123	39137	39146	39147	39148	39143	39134	39118	39111	39110	39114	39116	39116	39114	39114	39117	39117	39120	39121	39122	39122	39120	39119	39119
11Q	39129	39143	39157	39161	39167	39166	39157	39142	39128	39121	39121	39122	39125	39129	39129	39127	39125	39122	39122	39122	39121	39123	39125	39134
12	39132	39141	39145	39144	39146	39148	39136	39120	39116	39115	39120	39123	39123	39117	39111	39106	39106	39113	39114	39101	39104	39102	39105	39110
13D	39125	39143	39142	39139	39145	39141	39123	39109	39105	39096	39094	39102	39110	39112	39110	39110	39108	39111	39110	39111	39105	39106	39110	39114
14Q	39119	39128	39136	39138	39141	39141	39131	39124	39118	39116	39114	39112	39113	39114	39114	39113	39115	39112	39113	39119	39116	39113	39115	39119
15	39124	39134	39143	39149	39152	39149	39138	39131	39126	39123	39119	39114	39117	39116	39115	39121	39123	39125	39120	39122	39119	39114	39114	39117
16	39125	39138	39143	39143	39139	39141	39142	39137	39124	39120	39117	39111	39106	39100	39099	39101	39102	39101	39105	39113	39116	39119	39127	39130
17	39130	39133	39141	39144	39150	39149	39141	39243	39108	39100	39100	39105	39108	39110	39110	39104	39109	39108	39112	39114	39110	39112	39113	39117
18	39124	39133	39145	39153	39153	39148	39139	39125	39121	39123	39121	39121	39125	39123	39108	39108	39108	39107	39119	39110	39112	39114	39119	39128
19D	39126	39133	39137	39135	39133	39129	39119	39109	39098	39105	39096	39103	39107	39108	39097	39104	39099	39101	39102	39104	39102	39105	39106	39108
20	39110	39121	39128	39130	39135	39134	39118	39110	39106	39106	39111	39113	39117	39116	39109	39101	39095	39102	39103	39098	39104	39101	39101	39103
21D	39110	39118	39129	39133	39136	39120	39095	39085	39093	39100	39106	39109	39105	39109	39100	39102	39107	39111	39113	39113	39112	39109	39110	39119
22	39132	39136	39137	39134	39131	39126	39125	39117	39111	39109	39111	39112	39111	39109	39108	39108	39110	39111	39115	39118	39107	39106	39110	39115
23	39127	39139	39142	39142	39147	39143	39131	39124	39117	39108	39095	39090	39097	39097	39113	39103	39103	39107	39101	39118	39119	39107	39109	39110
24Q	39117	39122	39135	39141	39142	39140	39129	39114	39109	39109	39114	39113	39113	39110	39112	39114	39115	39113	39114	39115	39112	39111	39112	39118
25Q	39126	39134	39152	39162	39164	39158	39144	39130	39120	39112	39111	39112	39113	39112	39114	39115	39116	39116	39116	39117	39116	39113	39113	39116
26	39125	39137	39150	39164	39169	39159	39148	39130	39117	39111	39111	39117	39114	39116	39114	39116	39114	39117	39116	39121	39120	39121	39120	39123
27	39123	39125	39137	39146	39150	39147	39139	39126	39116	39110	39111	39113	39113	39110	39113	39111	39112	39111	39118	39114	39115	39116	39120	39124
28	39134	39141	39147	39153	39156	39151	39143	39127	39118	39112	39110	39110	39114	39115	39116	39116	39118	39117	39117	39118	39119	39118	39117	39117
29	39121	39130	39137	39142	39149	39157	39151	39130	39112	39120	39124	39114	39101	39099	39107	39102	39114	39115	39110	39110	39109	39107	39106	39106
30	39110	39106	39097	39092	39097	39115	39106	39079	39101	39109	39109	39102	39090	39080	39082	39086	39104	39108	39103	39105	39115	39110	39108	39109
31	39110	39106	39097	39092	39097	39115	39106	39079	39101	39109	39109	39102	39090	39080	39082	39086	39104	39108	39103	39105	39115	39110	39108	39109
Mean	39123	39131	39137	39139	39141	39140	39131	39121	39112	39111	39110	39110	39110	39109	39109	39109	39111	39112	39113	39114	39114	39112	39114	39117
Q	39123	39132	39145	39150	39153	39151	39140	39127	39119	39115	39115	39115	39116	39116	39117	39117	39118	39116	39116	39118	39116	39115	39116	39119
D	39120	39130	39134	39134	39136	39130	39116	39104	39100	39102	39101	39106	39108	39109	39102	39102	39106	39106	39105	39108	39107	39107	39110	39112

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



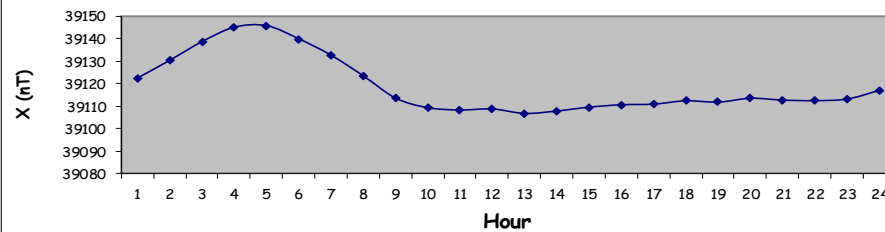
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

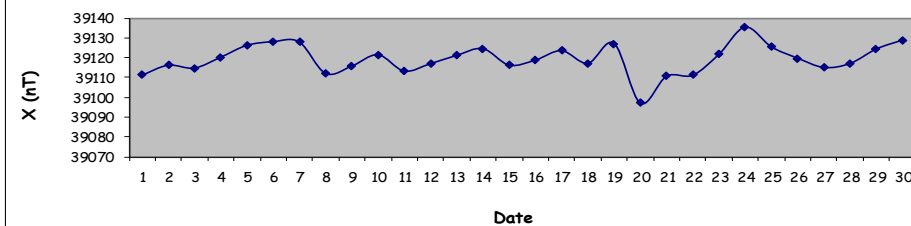
April-20

DATE	HOUR																							MEAN	
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1	39115	39119	39122	39120	39129	39134	39128	39114	39106	39108	39108	39107	39106	39106	39109	39110	39112	39111	39113	39117	39116	39103	39103	39100	39111
2	39116	39133	39146	39148	39138	39135	39129	39109	39100	39109	39108	39107	39109	39106	39109	39110	39112	39111	39113	39117	39116	39103	39103	39100	39116
3	39110	39119	39129	39138	39139	39129	39125	39118	39108	39106	39109	39113	39114	39109	39102	39103	39109	39105	39103	39109	39110	39111	39117	39119	39115
4	39121	39135	39142	39149	39150	39146	39137	39125	39116	39107	39108	39111	39113	39111	39111	39110	39112	39112	39111	39115	39111	39106	39110	39115	39120
5	39124	39137	39146	39151	39163	39163	39157	39146	39132	39124	39117	39114	39109	39108	39109	39113	39114	39113	39112	39114	39112	39113	39115	39118	39126
6Q	39127	39139	39148	39157	39161	39157	39147	39135	39124	39121	39121	39119	39119	39119	39116	39116	39116	39116	39117	39119	39120	39119	39118	39120	39128
7	39127	39131	39135	39145	39154	39151	39147	39131	39121	39121	39123	39123	39121	39120	39122	39125	39124	39118	39120	39116	39118	39127	39125	39124	39128
8D	39130	39146	39159	39159	39142	39138	39135	39113	39096	39088	39085	39094	39094	39102	39087	39094	39098	39095	39096	39107	39109	39101	39112	39111	39112
9	39120	39126	39136	39141	39140	39133	39124	39114	39111	39112	39112	39111	39106	39103	39104	39108	39107	39109	39108	39110	39110	39109	39111	39115	39116
10	39122	39130	39142	39144	39141	39134	39127	39122	39116	39112	39116	39117	39114	39116	39118	39116	39115	39125	39114	39114	39112	39114	39114	39118	39121
1	39123	39130	39133	39137	39138	39136	39128	39120	39117	39120	39119	39114	39115	39106	39095	39096	39083	39086	39089	39099	39104	39111	39106	39111	39113
12D	39122	39130	39139	39143	39147	39138	39127	39116	39108	39107	39110	39112	39107	39107	39114	39109	39109	39107	39113	39115	39108	39105	39104	39111	39117
13	39121	39130	39140	39148	39147	39139	39131	39121	39109	39106	39107	39110	39111	39113	39109	39118	39118	39113	39112	39114	39116	39123	39122	39128	39121
14	39134	39145	39153	39149	39158	39149	39144	39130	39111	39100	39104	39111	39115	39113	39114	39116	39117	39117	39118	39119	39121	39118	39114	39116	39124
15	39116	39120	39124	39129	39124	39118	39111	39107	39109	39111	39111	39111	39111	39113	39115	39117	39119	39121	39120	39120	39117	39115	39112	39117	39116
16	39120	39127	39133	39137	39139	39132	39124	39119	39116	39112	39111	39112	39112	39112	39107	39107	39107	39115	39119	39119	39119	39117	39117	39118	39119
17	39119	39128	39138	39149	39154	39149	39141	39129	39114	39105	39104	39106	39110	39112	39117	39117	39119	39122	39121	39119	39118	39121	39124	39127	39123
18	39126	39130	39128	39127	39127	39127	39123	39117	39104	39106	39114	39115	39109	39108	39109	39107	39111	39113	39116	39119	39119	39117	39117	39124	39117
19Q	39130	39136	39146	39154	39156	39151	39141	39130	39123	39121	39122	39122	39117	39117	39121	39119	39117	39119	39116	39117	39118	39118	39118	39123	39127
20D	39127	39135	39153	39168	39161	39161	39161	39154	39119	39066	39019	39011	39000	39016	39056	39081	39078	39082	39088	39092	39095	39098	39104	39112	39097
21D	39118	39127	39138	39154	39162	39152	39137	39130	39120	39114	39110	39088	39064	39080	39093	39090	39094	39107	39097	39095	39096	39094	39098	39101	39111
22	39110	39113	39118	39122	39124	39115	39112	39115	39109	39107	39108	39110	39107	39107	39105	39106	39105	39111	39112	39114	39110	39111	39107	39110	39111
23	39115	39121	39129	39138	39136	39127	39123	39120	39114	39113	39114	39120	39121	39120	39119	39119	39119	39120	39122	39121	39121	39124	39120	39125	39122
24	39138	39146	39150	39163	39161	39151	39140	39134	39124	39120	39120	39121	39121	39120	39119										39135
25			39144	39153	39151	39143	39128	39125	39118	39116	39117	39119	39118	39118	39120	39120	39121	39121	39120	39121	39119	39118	39119	39128	39125
26	39132	39140	39155	39162	39158	39142	39132	39122	39112	39106	39102	39105	39109	39117	39120	39113	39105	39108	39105	39106	39103	39105	39105	39108	39120
27	39116	39118	39119	39127	39136	39131	39123	39115	39105	39106	39110	39113	39111	39113	39116	39115	39112	39119	39112	39110	39105	39105	39108	39117	39115
28	39118	39120	39126	39131	39133	39129	39124	39123	39117	39112	39113	39117	39109	39105	39106	39107	39115	39114	39114	39115	39115	39113	39115	39120	39117
29Q	39129	39138	39146	39153	39152	39138	39125	39115	39110	39109	39112	39113	39112	39116	39123	39125	39126	39123	39122	39123	39118	39117	39117	39121	39124
30Q	39126	39132	39143	39149	39148	39142	39140	39131	39118	39115	39115	39118	39119	39122	39124	39127	39128	39129	39128	39127	39126	39125	39126	39130	39129
Mean	39122	39130	39139	39145	39146	39140	39132	39123	39114	39109	39108	39109	39107	39108	39110	39111	39111	39112	39112	39113	39113	39112	39113	39117	39119
Q	39128	39136	39146	39153	39154	39147	39138	39128	39119	39117	39118	39118	39117	39118	39121	39122	39122	39121	39121	39121	39120	39120	39120	39124	39127
D	39124	39134	39147	39156	39153	39147	39140	39128	39111	39094	39081	39076	39066	39076	39087	39093	39095	39098	39099	39102	39102	39099	39105	39109	39109

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date





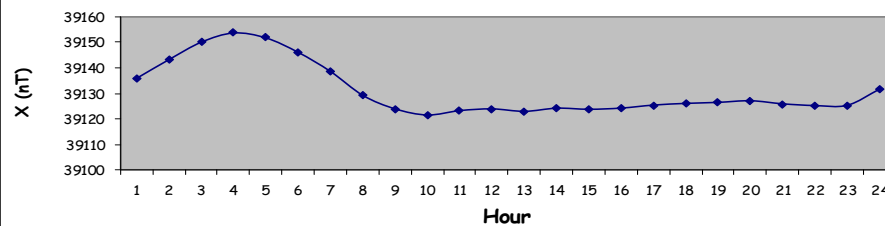
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

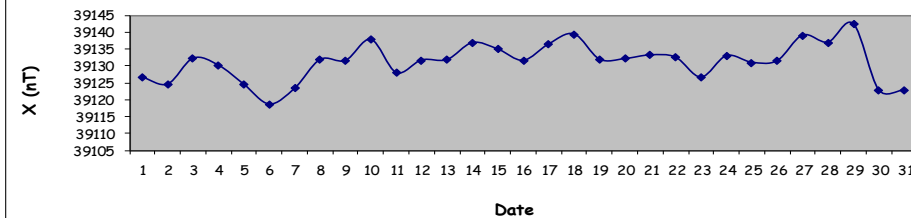
May-20

DATE	HOUR																								MEAN
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1D	39135	39143	39149	39158	39162	39157	39145	39124	39105	39106	39121	39122	39111	39109	39107	39112	39117	39121	39120	39122	39122	39123	39123	39127	39127
2	39134	39142	39150	39152	39148	39142	39131	39124	39112	39111	39114	39110	39102	39108	39112	39116	39120	39120	39122	39122	39119	39123	39124	39132	39125
3	39138	39143	39146	39148	39142	39131	39129	39128	39121	39117	39122	39125	39126	39128	39129	39128	39128	39129	39133	39137	39140	39138	39128	39137	39132
4	39143	39145	39157	39158	39149	39144	39137	39130	39123	39117	39118	39123	39122	39120	39119	39119	39123	39125	39125	39127	39126	39122	39123	39127	39130
5D	39132	39136	39144	39144	39143	39140	39136	39125	39111	39111	39117	39123	39129	39130	39123	39118	39119	39120	39116	39116	39110	39110	39113	39121	39124
6	39133	39134	39141	39136	39132	39125	39116	39108	39108	39109	39112	39116	39114	39114	39112	39114	39115	39115	39113	39114	39116	39116	39116	39120	39119
7	39124	39131	39138	39145	39141	39134	39121	39111	39109	39112	39113	39114	39109	39120	39126	39125	39124	39122	39122	39123	39122	39122	39122	39129	39123
8	39135	39144	39155	39159	39156	39149	39141	39135	39125	39121	39123	39127	39128	39129	39126	39125	39124	39124	39124	39125	39125	39123	39120	39123	39132
9Q	39126	39136	39144	39151	39152	39144	39138	39132	39125	39122	39124	39126	39124	39126	39127	39127	39127	39127	39128	39129	39127	39128	39130	39135	39131
10	39139	39141	39149	39156	39160	39155	39150	39143	39135	39130	39129	39128	39128	39129	39132	39134	39136	39135	39140	39139	39140	39128	39121	39126	39138
11	39128	39133	39143	39149	39143	39146	39147	39136	39115	39112	39112	39119	39121	39122	39123	39124	39124	39125	39126	39124	39121	39123	39124	39130	39128
12	39134	39148	39160	39169	39165	39151	39130	39103	39132	39126	39126	39125	39123	39125	39127	39123	39122	39126	39124	39123	39124	39125	39120	39128	39132
13	39137	39148	39157	39159	39158	39150	39141	39111	39133	39123	39120	39120	39124	39127	39123	39122	39121	39121	39125	39126	39125	39125	39129	39136	39132
14Q	39143	39152	39156	39160	39158	39156	39146	39125	39131	39128	39128	39128	39128	39131	39132	39132	39133	39131	39131	39132	39131	39131	39129	39131	39137
15	39136	39145	39154	39158	39156	39156	39148	39139	39135	39138	39130	39127	39124	39129	39129	39128	39126	39127	39129	39128	39124	39123	39123	39126	39135
16	39125	39128	39137	39147	39150	39147	39144	39137	39125	39120	39125	39125	39124	39123	39122	39130	39132	39132	39132	39131	39129	39128	39131	39137	39132
17	39142	39147	39153	39158	39156	39151	39147	39141	39133	39129	39126	39125	39127	39129	39128	39127	39131	39130	39133	39134	39133	39131	39128	39136	39136
18	39141	39151	39159	39163	39157	39147	39139	39133	39127	39127	39132	39132	39131	39132	39131	39131	39133	39140	39138	39139	39135	39137	39140	39148	39139
19	39154	39161	39165	39170	39167	39156	39138	39124	39112	39115	39122	39114	39115	39115	39118	39122	39124	39124	39125	39127	39125	39122	39120	39131	39132
20Q	39135	39142	39144	39149	39146	39140	39132	39129	39127	39128	39127	39126	39126	39128	39127	39127	39125	39127	39128	39129	39130	39129	39130	39138	39132
21	39147	39157	39165	39165	39162	39150	39135	39123	39118	39117	39120	39121	39120	39118	39120	39125	39127	39128	39127	39130	39130	39128	39128	39134	39133
22	39144	39151	39158	39156	39151	39147	39138	39133	39126	39125	39127	39130	39131	39135	39129	39122	39117	39117	39121	39124	39124	39124	39122	39129	39132
23	39133	39139	39145	39145	39143	39135	39132	39128	39121	39119	39117	39118	39117	39119	39119	39119	39121	39123	39124	39124	39123	39122	39123	39129	39127
24D	39135	39144	39147	39149	39153	39154	39153	39142	39130	39128	39134	39137	39135	39139	39130	39122	39127	39120	39116	39117	39116	39117	39121	39130	39133
25	39132	39138	39144	39150	39150	39144	39131	39124	39121	39120	39122	39121	39125	39126	39127	39130	39132	39132	39131	39129	39127	39121	39127	39136	39131
26	39136	39146	39149	39153	39149	39146	39141	39134	39127	39121	39120	39122	39123	39126	39126	39128	39128	39128	39128	39127	39122	39120	39123	39131	39131
27	39140	39147	39153	39157	39159	39156	39153	39145	39135	39130	39131	39129	39128	39132	39133	39132	39133	39138	39135	39133	39131	39131	39134	39139	39139
28	39143	39149	39161	39161	39157	39150	39145	39141	39133	39130	39131	39131	39127	39126	39123	39124	39128	39130	39132	39133	39132	39132	39132	39135	39137
29Q	39147	39162	39168	39169	39167	39158	39151	39143	39138	39133	39132	39134	39132	39132	39130	39130	39131	39133	39133	39133	39135	39138	39139	39150	39142
30D	39122	39130	39132	39136	39138	39134	39129	39126	39123	39118	39121	39120	39116	39113	39111	39116	39119	39119	39119	39120	39119	39119	39120	39125	39123
31	39122	39130	39132	39136	39138	39134	39129	39126	39123	39118	39121	39120	39116	39113	39111	39116	39119	39119	39119	39120	39119	39119	39120	39125	39123
Mean	39136	39143	39150	39154	39152	39146	39139	39129	39124	39121	39123	39124	39123	39124	39124	39124	39125	39126	39126	39127	39126	39125	39125	39132	39131
Q	39138	39148	39153	39157	39156	39150	39142	39132	39130	39128	39128	39128	39127	39129	39129	39129	39129	39129	39130	39131	39130	39132	39132	39139	39136
D	39131	39138	39143	39147	39149	39146	39141	39129	39117	39116	39123	39126	39123	39121	39118	39117	39121	39120	39118	39119	39117	39117	39119	39126	39127

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



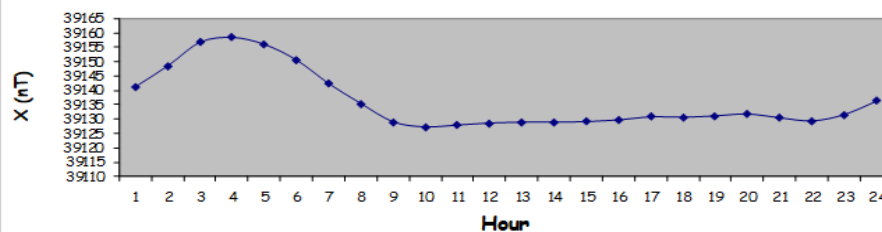
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

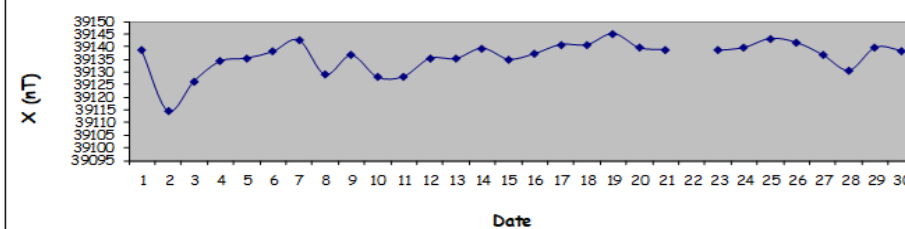
June-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1										39141	39141	39140	39140	39140	39139	39139	39138	39138	39137	39137	39137	39137	39137	39137	39138
2D	39127	39130	39138	39137	39130	39127	39118	39108	39100	39090	39093	39098	39099	39101	39103	39106	39112	39115	39115	39116	39118	39120	39122	39126	39115
3	39132	39139	39146	39148	39145	39140	39133	39124	39120	39117	39117	39116	39116	39120	39120	39120	39120	39120	39120	39122	39121	39120	39123	39129	39126
4	39134	39144	39152	39153	39153	39146	39134	39130	39132	39132	39135	39131	39129	39131	39130	39131	39130	39125	39128	39128	39129	39125	39127	39132	39134
5	39138	39149	39156	39161	39163	39162	39151	39142	39134	39128	39127	39127	39126	39123	39124	39122	39123	39124	39127	39130	39127	39126	39127	39131	39135
6	39137	39143	39153	39157	39160	39158	39151	39144	39138	39134	39130	39126	39127	39132	39135	39132	39130	39130	39130	39133	39131	39132	39134	39135	39138
7D	39141	39153	39168	39169	39164	39156	39149	39138	39135	39133	39137	39137	39139	39140	39142	39145	39150	39140	39142	39130	39122	39126	39131	39134	39143
8	39143	39149	39153	39148	39139	39134	39129	39124	39118	39115	39116	39118	39119	39123	39126	39127	39126	39126	39127	39126	39127	39123	39125	39132	39129
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10D	39145	39151	39156	39156	39149	39143	39119	39112	39112	39108	39121	39120	39123	39122	39121	39120	39125	39125	39124	39125	39122	39122	39123	39127	39128
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22	MAINTENANCE INSKAL PENGGANTIAN MINI PC																								
23	MAINTENANCE GLOBALINDO									39141	39141	39140	39140	39140	39139	39139	39138	39138	39137	39137	39137	39137	39137	39137	39138
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Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



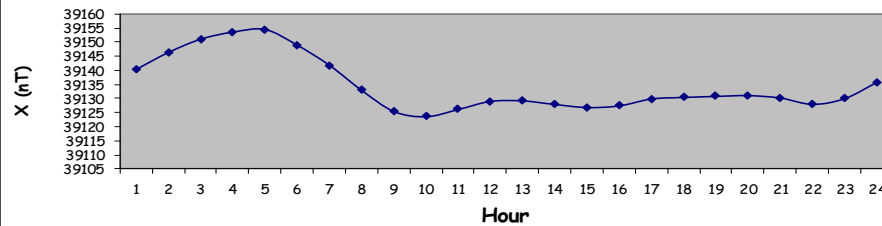
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

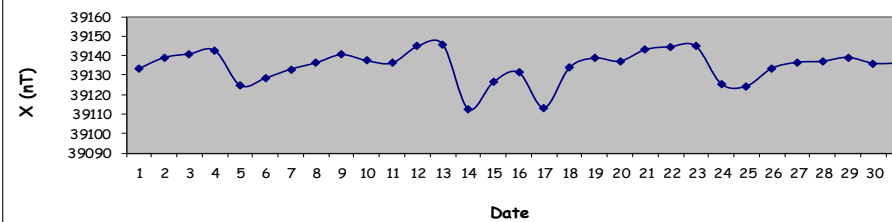
July-20

DATE	HOUR																							MEAN	
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2			39144	39146	39145	39145	39149	39145	39138	39134	39135	39136	39136	39133	39132	39135	39136	39139	39138	39138	39138	39136	39137	39142	39139
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26Q	39148	39150	39152	39152	39152	39146	39140	39133	39125	39121	39120	39127	39126	39128	39124	39124	39127	39128	39129	39129	39128	39127	39131	39137	39133
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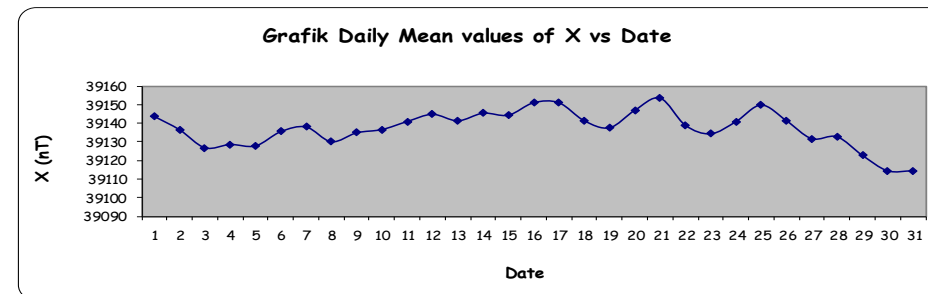
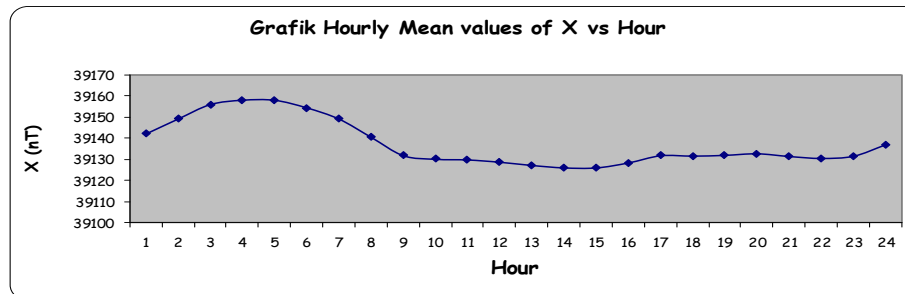
Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



TANGERANG MAGNETIC OBSERVATORY																									August-20
X COMPONENT																									
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)																									
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
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2D	39158	39165	39170	39172	39167	39165	39162	39148	39149	39153	39151	39132	39110	39090	39091	39090	39103	39124	39127	39129	39131	39121	39127	39140	39136
3D	39146	39156	39161	39138	39142	39143	39134	39130	39106	39097	39111	39120	39121	39117	39111	39119	39137	39123	39119	39121	39122	39123	39121	39125	39127
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29D	39125	39125	39130	39136	39137	39127	39108	39101	39108	39098	39108	39114	39116	39119	39120	39124	39124	39131	39129	39136	39134	39129	39129	39142	39123
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Mean	39142	39149	39156	39158	39158	39154	39149	39141	39132	39130	39130	39129	39127	39126	39126	39128	39132	39132	39132	39133	39132	39131	39132	39137	39137
Q	39141	39147	39154	39161	39162	39159	39152	39143	39134	39130	39131	39131	39132	39132	39130	39132	39134	39136	39136	39136	39135	39133	39137	39143	39140
D	39137	39143	39148	39141	39140	39139	39133	39125	39119	39116	39119	39114	39108	39107	39106	39110	39121	39123	39122	39126	39125	39124	39124	39134	39125



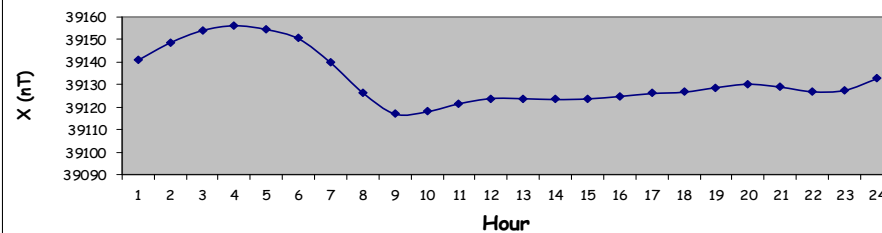
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

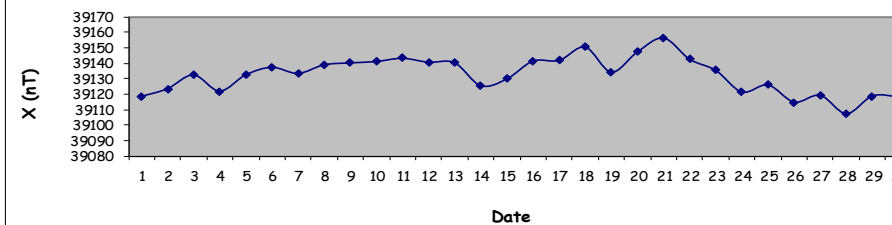
September-20

DATE	HOUR																							MEAN	
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Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date





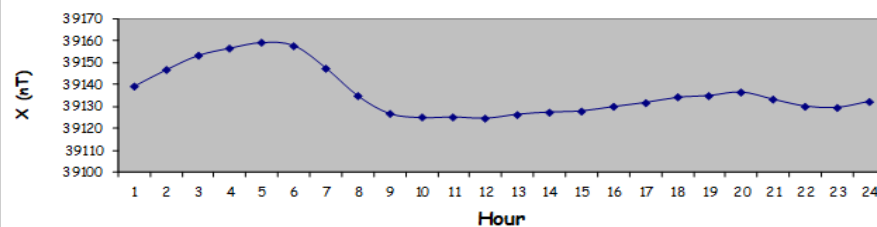
X COMPONENT  
HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)

## TANGERANG MAGNETIC OBSERVATORY

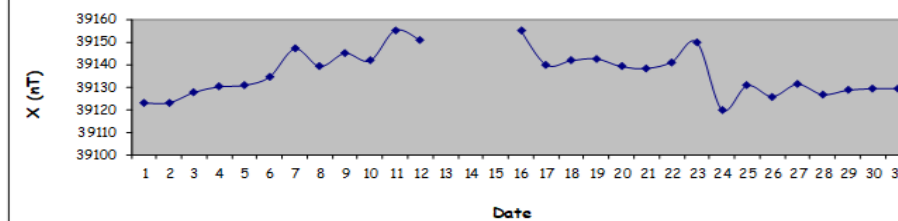
October-20

DATE	HOUR																							MEAN	
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4	39131	39143	39145	39140	39146	39152	39146	39134	39126	39124	39124	39120	39121	39121	39126	39128	39127	39128	39127	39123	39120	39119	39124	39130	39130
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13	DATA TIDAK TERSEDIA KARENA ADA KENDALA KONEKSI DIGITIZER DENGAN MINIPC																								
14																									
15																									
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Grafik Hourly Mean values of X vs Hour

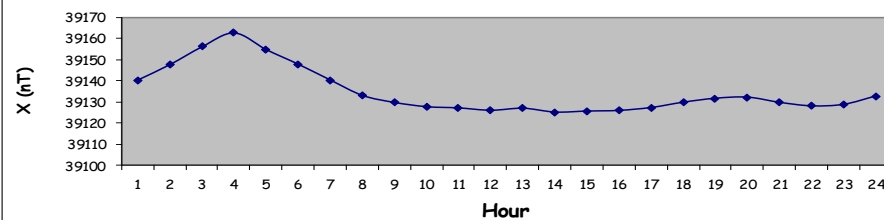


Grafik Daily Mean values of X vs Date

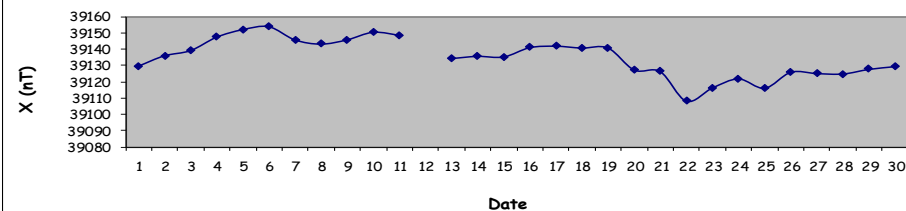


TANGERANG MAGNETIC OBSERVATORY																									November-20
DATE	HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)																								MEAN
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4Q	39136	39148	39164	39172	39173	39168	39159	39148	39138	39138	39137	39137	39138	39139	39140	39142	39143	39148	39147	39149	39146	39141	39142	39145	39147
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Q	39147	39158	39169	39171	39168	39159	39151	39144	39139	39139	39138	39137	39138	39138	39139	39139	39139	39142	39143	39144	39142	39139	39141	39146	39146
D	39133	39138	39144	39147	39141	39133	39124	39119	39110	39110	39114	39112	39115	39105	39112	39107	39104	39113	39118	39119	39117	39116	39116	39120	39120

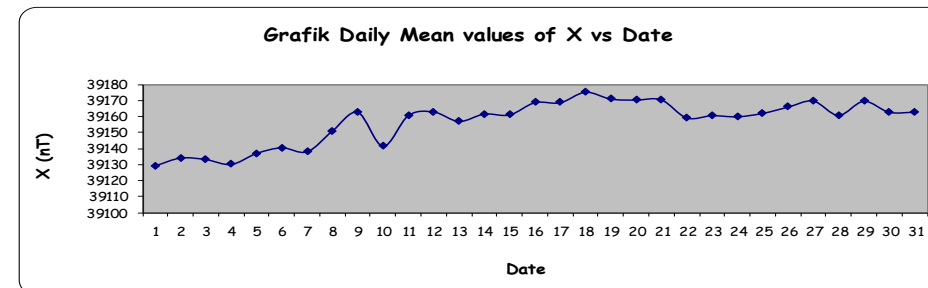
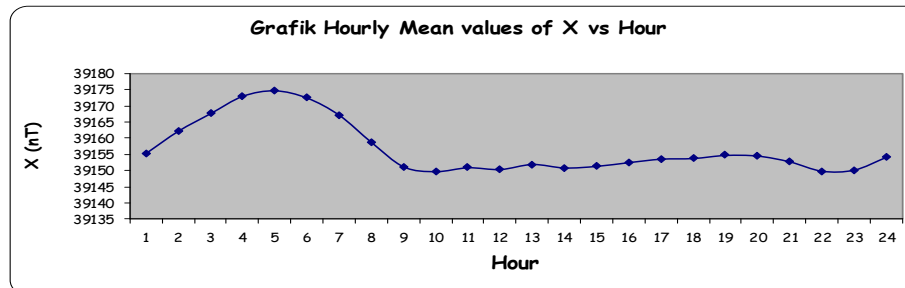
Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



TANGERANG MAGNETIC OBSERVATORY																									December-20
DATE	X COMPONENT																								MEAN
	HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)																								
TANGERANG MAGNETIC OBSERVATORY																									MEAN
DATE	HOURLY MEANS VALUES OF X : ( 0 + Tabular Values in nT)																								MEAN
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1Q	39124	39135	39151	39156	39156	39150	39141	39132	39124	39124	39122	39122	39122	39122	39122	39123	39124	39123	39125	39125	39122	39121	39119	39120	39129
2	39126	39137	39146	39149	39148	39139	39128	39122	39123	39126	39129	39130	39132	39133	39134	39136	39137	39138	39136	39137	39136	39133	39132	39136	39134
3	39144	39151	39157	39161	39163	39159	39149	39136	39129	39128	39129	39124	39123	39123	39130	39124	39115	39119	39123	39124	39121	39118	39120	39127	39133
4Q	39127	39135	39141	39144	39147	39146	39135	39126	39127	39126	39126	39126	39128	39127	39127	39129	39129	39127	39128	39128	39125	39122	39123	39126	39130
5	39129	39133	39143	39153	39155	39152	39151	39145	39135	39129	39126	39127	39127	39131	39131	39136	39137	39138	39141	39138	39140	39131	39129	39132	39137
6	39135	39144	39149	39150	39153	39157	39154	39150	39144	39144	39136	39131	39132	39135	39140	39135	39137	39139	39139	39137	39136	39133	39131	39134	39141
7	39143	39155	39160	39162	39162	39160	39154	39140	39134	39133	39133	39129	39128	39126	39128	39128	39128	39132	39132	39131	39130	39126	39128	39131	39138
8	39134	39144	39145	39147	39146	39148	39142	39148	39151	39148	39147	39147	39153	39156	39160	39163	39163	39158	39161	39161	39157	39149	39148	39150	39151
9	39158	39166	39174	39186	39182	39180	39176	39171	39169	39166	39164	39160	39160	39157	39157	39156	39156	39149	39158	39164	39151	39147	39149	39151	39163
10	39140	39141	39145	39150	39154	39152	39147	39136	39127	39126	39131	39137	39138	39141	39142	39145	39143	39143	39146	39146	39142	39139	39140	39147	39142
11	39159	39162	39166	39187	39187	39180	39171	39163	39155	39152	39156	39153	39152	39153	39150	39153	39155	39160	39160	39157	39160	39155	39154	39158	39161
12	39159	39165	39169	39174	39172	39168	39168	39158	39157	39163	39165	39163	39163	39160	39161	39158	39162	39163	39164	39165	39160	39159	39159	39157	39163
13	39163	39167	39173	39173	39168	39163	39161	39155	39151	39154	39156	39156	39155	39155	39153	39147	39149	39151	39154	39154	39155	39155	39151	39153	39157
14	39162	39172	39162	39180	39181	39176	39173	39166	39159	39156	39155	39157	39157	39156	39160	39161	39162	39162	39163	39159	39148	39147	39149	39151	39162
15	39154	39161	39169	39178	39177	39171	39166	39157	39148	39148	39154	39155	39159	39159	39159	39162	39164	39163	39163	39163	39162	39158	39158	39160	39161
16	39166	39177	39188	39187	39194	39194	39201	39186	39174	39168	39163	39161	39159	39157	39155	39153	39162	39162	39162	39159	39155	39154	39155	39161	39169
17	39165	39171	39176	39181	39185	39189	39184	39177	39167	39164	39163	39164	39166	39166	39166	39166	39166	39162	39164	39164	39161	39161	39163	39165	39169
18	39169	39200	39195	39203	39204	39199	39190	39183	39177	39172	39170	39166	39171	39169	39166	39164	39161	39163	39167	39167	39165	39162	39162	39166	39175
19	39170	39176	39183	39193	39194	39192	39190	39178	39162	39173	39175	39172	39168	39154	39163	39168	39166	39165	39162	39161	39160	39161	39161	39159	39171
20	39163	39170	39182	39190	39196	39195	39189	39177	39162	39158	39160	39163	39159	39154	39156	39161	39161	39172	39170	39171	39171	39167	39164	39168	39170
21D	39172	39179	39191	39188	39189	39179	39171	39160	39160	39169	39164	39165	39168	39165	39166	39162	39167	39168	39166	39171	39165	39161	39163	39184	39171
22D	39169	39176	39171	39157	39164	39165	39169	39161	39148	39140	39140	39147	39154	39157	39159	39158	39167	39162	39164	39162	39164	39155	39155	39160	39159
23D	39162	39168	39170	39169	39182	39186	39172	39165	39159	39152	39154	39141	39144	39151	39159	39161	39158	39156	39156	39159	39158	39157	39159	39160	39161
24	39165	39171	39178	39184	39187	39189	39179	39166	39152	39146	39156	39147	39164	39149	39142	39154	39154	39148	39149	39150	39151	39147	39152	39159	39160
25	39165	39171	39177	39183	39187	39184	39174	39165	39155	39152	39159	39159	39153	39151	39149	39151	39154	39157	39159	39159	39158	39156	39156	39157	39162
26	39158	39163	39170	39175	39175	39175	39173	39169	39162	39160	39165	39165	39165	39162	39160	39161	39159	39162	39164	39162	39165	39170	39168	39177	39166
27	39180	39177	39179	39189	39192	39184	39182	39173	39166	39162	39162	39166	39165	39165	39165	39163	39166	39162	39166	39161	39159	39163	39164	39166	39170
28D	39161	39157	39165	39177	39175	39175	39171	39158	39144	39145	39150	39154	39159	39158	39156	39159	39161	39165	39166	39162	39162	39159	39158	39163	39161
29	39166	39176	39181	39189	39190	39194	39191	39179	39164	39158	39162	39162	39165	39163	39163	39165	39164	39165	39163	39163	39162	39159	39162	39168	39170
30	39164	39166	39171	39177	39176	39173	39165	39158	39150	39149	39154	39158	39161	39160	39161	39163	39163	39165	39163	39163	39161	39160	39162	39167	39163
31Q	39164	39166	39171	39177	39176	39173	39165	39158	39150	39149	39154	39158	39161	39160	39161	39163	39163	39165	39163	39163	39161	39160	39162	39167	39163
Mean	39155	39162	39168	39173	39175	39173	39167	39159	39151	39150	39151	39150	39152	39151	39151	39153	39154	39154	39155	39155	39153	39150	39150	39154	39157
Q	39149	39154	39159	39165	39165	39163	39157	39153	39149	39147	39149	39150	39153	39153	39155	39156	39156	39154	39157	39159	39153	39149	39150	39154	39155
D	39154	39159	39167	39174	39176	39175	39170	39161	39151	39147	39151	39149	39152	39148	39146	39151	39151	39151	39153	39152	39154	39151	39152	39156	39156

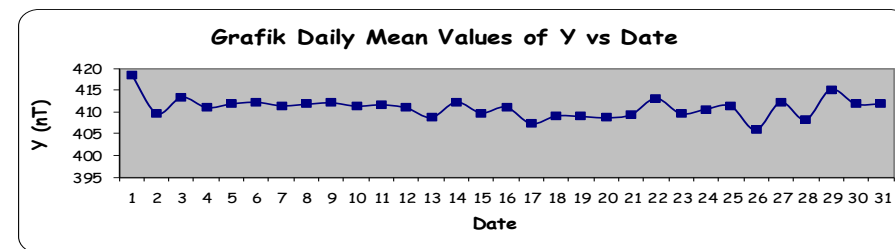
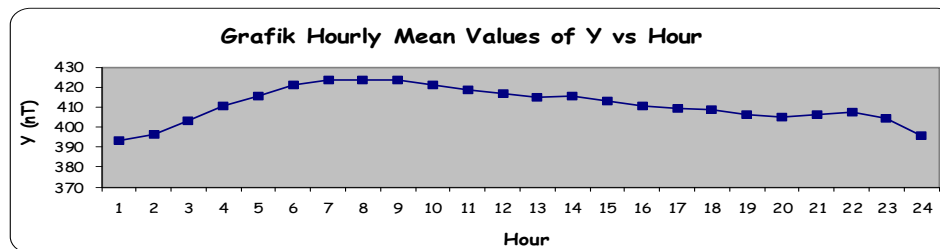


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

January-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	414	418	427	432	434	439	440	434	432	427	421	419	417	418	415	413	411	409	409	407	405	404	403	395	418
2	394	399	404	406	405	416	426	428	427	425	420	413	412	412	412	412	410	409	406	405	406	406	398	382	410
3D	384	396	405	414	422	432	439	438	428	424	418	414	415	416	414	414	412	409	407	407	405	409	404	396	413
4	396	402	403	398	401	412	418	421	424	424	419	414	413	415	416	415	411	409	409	409	413	411	408	402	411
5D	398	400	407	407	406	415	420	423	427	427	423	421	419	418	418	413	411	403	405	402	406	409	407	399	412
6	394	399	405	409	412	417	423	424	427	427	425	420	418	417	414	412	411	410	407	406	410	409	403	394	412
7	396	401	415	422	421	420	412	410	410	417	420	421	419	419	416	412	410	410	406	404	404	408	405	396	411
8	395	400	409	414	414	417	420	424	428	425	420	414	412	415	410	408	411	411	409	408	406	407	407	399	412
9D	400	403	401	415	426	427	418	409	416	421	420	417	416	418	413	406	412	413	411	409	410	410	406	395	412
10	385	385	391	408	420	426	423	424	428	424	419	421	419	419	416	414	411	412	410	408	409	408	402	390	411
11	397	403	407	407	416	425	428	426	423	415	416	416	414	415	413	410	411	410	407	406	406	407	405	395	412
12Q	391	395	396	407	417	426	425	427	420	415	413	414	414	416	414	411	409	411	408	406	409	410	407	401	411
13	395	389	386	393	406	416	418	425	428	422	419	418	417	417	413	409	408	408	405	405	404	409	406	394	409
14Q	388	391	402	410	422	434	436	434	430	421	418	417	416	417	413	408	407	408	405	404	408	408	404	394	412
15	391	392	397	400	404	421	431	431	426	421	423	422	416	415	413	410	408	407	404	402	402	402	400	395	410
16D	388	389	398	407	413	425	430	432	430	427	422	419	416	415	411	409	408	408	405	404	406	407	403	395	411
17	384	388	395	406	409	411	412	411	415	416	416	417	416	417	416	410	409	408	405	403	406	406	403	393	407
18	391	395	405	413	411	410	412	419	421	420	419	416	416	416	412	411	410	410	405	403	404	403	402	393	409
19	393	399	409	416	413	414	411	413	415	412	412	415	415	417	414	411	411	411	408	405	406	405	402	389	409
20Q	387	396	407	410	408	406	410	418	422	420	419	414	414	415	413	411	409	410	407	405	404	406	403	394	409
21	393	408	424	425	420	422	410	398	400	405	413	418	418	418	415	411	409	409	408	404	406	407	400	384	409
22	381	398	415	425	424	420	449	441	421	423	422	415	414	414	410	408	407	406	404	403	405	407	404	400	413
23Q	395	394	398	406	407	416	423	421	419	417	417	414	412	413	413	410	409	410	408	406	409	411	407	397	410
24	394	396	404	409	410	411	415	419	426	426	424	419	417	416	414	411	411	410	406	405	407	407	403	395	411
25	388	392	404	418	427	433	430	426	421	415	413	414	414	417	415	412	409	407	405	403	404	408	405	394	411
26	383	374	378	393	402	414	421	421	422	424	421	417	414	414	411	409	405	406	404	401	403	404	402	398	406
27	395	397	407	416	425	433	433	426	422	417	417	416	414	413	411	409	408	408	406	404	405	406	405	402	412
28	398	394	394	408	413	418	420	419	418	414	415	414	414	414	412	410	408	406	404	402	405	405	402	391	408
29	396	398	407	425	435	436	432	433	429	423	417	416	413	416	413	410	410	411	408	405	409	411	408	403	415
30	402	397	396	404	416	423	424	428	433	428	422	414	411	413	411	411	408	409	405	404	406	410	408	403	412
31	402	397	396	404	416	423	424	428	433	428	422	414	411	413	411	411	408	409	405	404	406	410	408	403	412
Mean	393	396	403	410	415	421	424	424	423	421	419	417	415	415	413	411	409	409	406	405	406	407	404	395	411
Q	390	394	401	408	413	420	424	425	423	418	417	415	414	415	413	410	409	410	407	405	407	408	405	396	410
D	393	397	403	411	417	425	427	425	425	425	421	418	417	416	414	410	411	408	407	405	407	409	405	396	412

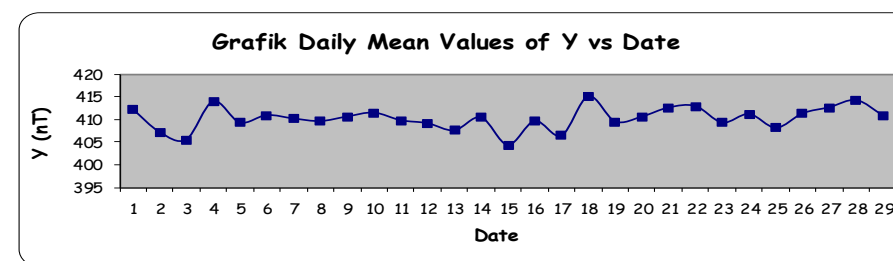
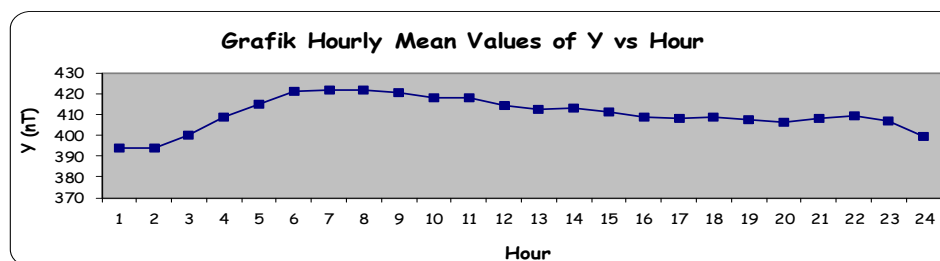


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

February-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	403	405	413	418	417	419	419	422	422	423	422	414	414	414	409	408	406	408	407	404	406	409	408	403	412
2	404	401	398	399	400	408	408	409	412	413	417	417	413	414	411	408	407	407	405	404	406	406	405	402	407
3	397	395	393	394	394	398	401	408	421	421	416	412	412	413	411	410	409	409	405	403	406	407	403	396	406
4	402	410	420	426	422	420	420	423	420	418	420	416	416	416	414	411	407	406	404	405	408	413	410	405	414
5	397	403	408	410	415	419	416	415	413	410	411	410	411	412	412	412	410	408	406	406	408	407	406	397	409
6D	395	397	401	409	410	414	426	423	415	418	424	425	420	416	414	409	408	409	405	406	409	408	404	395	411
7D	389	386	394	407	410	416	420	423	421	417	416	414	414	412	409	408	409	410	408	408	418	416	412	405	410
8	398	390	396	403	411	420	425	430	426	416	412	411	410	409	408	406	406	409	409	408	411	413	407	395	410
9	386	381	385	394	406	424	435	440	434	421	415	413	412	413	412	408	407	409	408	409	411	413	412	405	411
10	395	394	401	410	416	421	421	423	422	422	421	416	413	414	413	410	408	409	408	407	408	409	407	406	411
11	398	395	399	406	412	416	421	421	422	424	421	417	413	413	411	409	407	407	406	405	405	406	404	395	410
12	387	386	391	402	411	421	425	426	425	419	418	415	410	412	411	408	408	410	408	408	410	411	406	392	409
13Q	381	386	393	400	405	412	419	425	424	421	419	412	411	411	411	410	409	408	407	407	408	408	404	392	408
14Q	382	373	379	396	412	425	431	437	438	431	422	416	415	415	414	411	409	408	406	405	409	409	406	400	410
15	389	381	378	373	384	404	414	420	424	420	419	414	413	414	411	410	409	409	407	406	406	406	402	390	404
16	388	384	387	401	411	421	419	422	424	422	420	414	413	415	415	411	408	410	408	405	404	Lost	Lost	Lost	410
17	390	391	393	393	397	403	404	411	414	415	421	417	415	416	413	411	408	408	407	406	407	406	406	402	406
18D	407	413	424	430	435	436	434	430	423	424	423	419	416	414	405	404	403	403	406	404	405	406	404	391	415
19	382	384	395	406	423	428	424	418	415	413	415	410	412	414	411	409	407	410	410	407	410	409	408	405	409
20	402	400	407	419	426	429	423	419	419	417	415	406	409	409	409	408	408	410	407	404	404	404	404	394	411
21D	387	390	404	421	433	437	434	432	429	424	416	411	410	415	410	409	408	407	407	405	407	409	406	390	413
22	384	386	398	409	420	431	431	426	427	425	422	414	412	412	413	410	411	411	416	415	416	412	407	401	413
23	394	395	402	413	420	422	417	408	406	407	415	412	412	414	412	407	408	410	410	409	409	409	410	399	409
24Q	392	399	410	417	425	426	419	413	414	414	417	413	411	410	410	409	408	409	406	406	409	415	411	406	411
25Q	400	395	401	413	415	415	414	412	410	408	414	412	411	410	408	407	407	407	406	405	407	408	406	403	408
26	398	399	404	413	420	428	430	427	421	410	411	414	413	414	412	410	408	408	406	404	404	407	405	404	411
27	397	397	406	421	429	433	426	422	417	415	417	416	412	412	410	407	407	408	407	405	407	411	411	410	413
28	408	412	421	432	437	437	428	417	416	414	416	415	412	414	412	412	409	409	407	405	406	407	400	391	414
29	388	390	399	410	418	420	423	425	425	420	416	411	410	413	411	409	410	411	408	406	406	412	415	405	411
Mean	394	394	400	409	415	421	422	422	421	418	418	414	413	413	411	409	408	409	407	406	408	409	407	399	410
Q	389	388	396	406	414	419	421	422	421	418	418	413	412	412	411	409	408	408	406	406	408	410	407	400	409
D	395	396	406	417	422	426	429	427	422	421	420	417	415	414	409	407	407	407	406	406	409	410	406	395	412



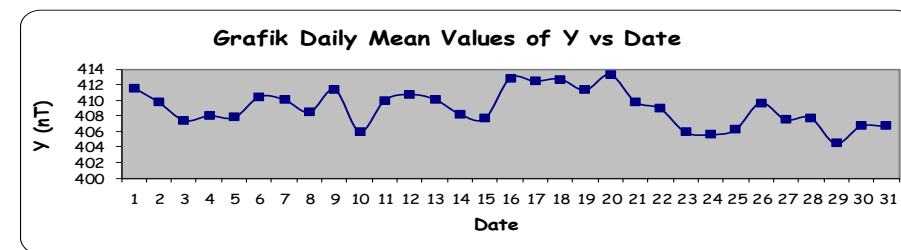
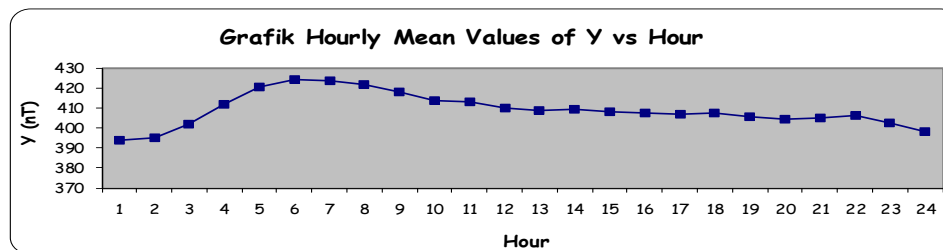


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

March-20

DATE	HOUR																								MEAN
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	402	407	410	415	421	418	415	415	417	415	414	411	411	412	411	410	410	411	408	406	410	411	410	407	412
2	404	405	410	420	428	433	423	412	410	414	415	410	406	409	408	405	406	407	405	405	404	405	399	391	410
3	386	389	401	411	417	418	417	417	416	413	413	409	408	409	407	408	408	409	407	404	407	407	402	394	407
4D	392	394	402	413	421	426	422	418	417	417	413	407	409	410	409	409	407	408	402	401	404	403	398	392	408
5	388	390	399	409	420	425	422	417	415	414	415	412	410	410	408	408	407	405	403	403	404	405	401	396	408
6	394	397	404	416	424	428	426	424	422	419	417	411	411	411	411	407	406	406	404	403	406	406	402	395	410
7	396	399	411	423	427	430	423	417	414	410	413	411	410	412	411	409	407	406	404	403	405	405	401	393	410
8	390	393	400	413	423	425	425	418	414	411	412	412	412	413	410	410	408	408	405	402	402	402	398	398	408
9	396	404	414	426	433	436	433	425	418	414	412	412	411	410	408	405	405	406	407	404	402	403	399	392	411
10	386	389	398	409	416	416	411	410	408	410	416	412	410	410	409	408	409	407	405	403	405	406	400	391	406
11Q	384	386	408	423	433	438	430	421	414	411	415	412	411	411	410	409	408	407	405	403	403	405	401	394	410
12	393	395	408	419	430	436	436	426	418	416	417	414	407	410	410	407	407	406	403	399	402	407	403	390	411
13D	387	391	404	422	432	434	431	422	416	413	415	407	408	408	407	406	406	408	406	405	407	407	406	397	410
14Q	390	389	394	404	414	421	426	424	422	414	410	408	408	411	410	408	408	407	406	405	408	409	403	398	408
15	393	388	392	401	414	424	425	425	425	417	413	410	409	408	408	408	407	407	406	404	403	404	400	394	408
16	393	398	410	424	429	434	442	437	425	419	421	416	414	414	412	410	408	408	404	401	401	402	395	391	413
17	386	393	404	416	426	435	435	452	429	418	414	411	409	409	408	410	410	411	407	404	406	408	401	397	412
18	398	404	415	427	433	433	427	424	421	415	413	411	411	411	410	409	409	412	411	406	406	405	401	394	413
19D	392	396	406	421	430	432	430	426	420	415	415	408	403	407	412	412	411	410	407	404	405	406	403	399	411
20	398	403	415	423	428	435	437	429	419	407	409	409	410	410	409	411	410	413	409	409	408	410	405	403	413
21D	393	392	396	406	418	431	438	433	422	412	407	406	406	405	408	408	411	412	407	404	403	409	403	403	410
22	404	408	414	418	423	420	419	417	415	411	409	406	407	409	406	407	407	406	405	406	403	402	401	391	409
23	385	392	402	412	414	416	412	412	414	415	411	409	408	409	404	404	406	405	404	405	405	405	400	394	406
24Q	387	388	390	402	413	417	416	417	415	410	408	407	408	409	407	406	405	406	403	405	407	405	403	402	406
25Q	397	395	392	397	404	413	417	417	417	415	415	410	409	410	406	405	404	404	403	401	401	405	404	409	406
26	402	397	398	409	419	423	425	425	422	418	416	410	409	409	408	405	405	404	402	402	403	406	406	410	410
27	400	392	389	396	405	414	420	423	421	416	413	410	410	410	408	409	406	408	406	404	405	407	405	405	408
28	399	394	392	402	414	418	419	423	417	411	407	408	409	409	408	406	406	407	405	403	404	409	407	410	408
29	397	385	385	390	402	407	410	416	415	411	409	409	408	407	402	405	403	405	404	405	408	409	406	407	404
30	400	397	398	399	409	403	408	419	423	414	411	406	405	406	406	405	405	408	407	408	410	407	405	402	407
31	400	397	398	399	409	403	408	419	423	414	411	406	405	406	406	405	405	408	407	408	410	407	405	402	407
Mean	394	395	402	412	420	424	424	422	418	414	413	410	409	410	408	408	407	408	405	404	405	406	402	398	409
Q	389	390	396	407	416	422	422	420	417	413	412	409	409	410	408	407	406	406	404	404	405	406	403	401	408
D	391	393	402	416	425	431	430	425	419	414	412	407	406	407	409	409	409	409	406	404	405	406	402	398	410





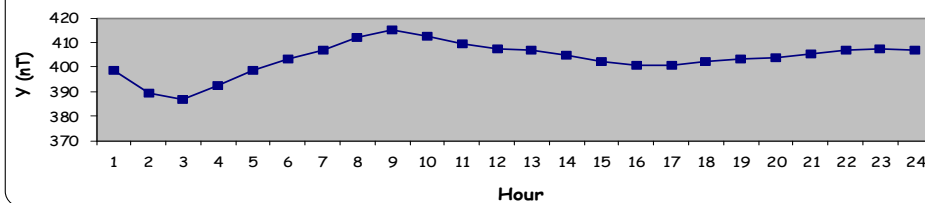
Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

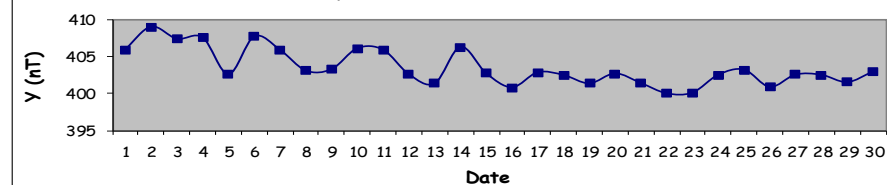
April-20

DATE	HOUR																								MEAN
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	393	389	393	403	408	414	418	419	415	410	409	407	407	408	407	406	405	406	406	404	406	407	403	400	406
2	390	387	396	410	423	429	424	421	418	416	413	408	408	409	408	405	405	406	406	405	407	407	405	410	409
3	407	402	403	405	408	409	408	413	414	409	410	409	410	410	408	406	404	408	406	405	405	405	404	409	407
4	400	394	397	406	411	410	413	416	415	412	409	409	409	409	408	406	405	406	406	405	405	408	408	410	407
5	402	393	392	395	399	406	407	409	410	405	404	407	407	406	404	402	402	404	402	402	404	403	400	395	403
6Q	392	398	410	416	417	419	417	417	416	410	409	407	407	409	408	407	404	405	403	403	403	407	403	397	408
7	390	390	397	408	415	419	415	414	413	409	408	408	407	407	406	403	402	403	404	405	409	407	402	400	406
8D	390	382	380	386	395	402	406	419	415	416	415	411	405	403	406	401	406	402	403	402	406	409	408	406	403
9	397	394	394	403	407	405	403	403	407	406	405	404	406	406	404	401	402	403	402	403	404	407	406	403	403
10	393	385	387	400	412	420	419	418	419	415	408	407	408	406	405	403	403	402	405	405	404	406	410	404	406
1	389	379	386	400	411	421	426	427	422	414	411	407	403	405	402	394	400	401	405	405	408	411	410	404	406
12D	392	381	377	382	396	404	410	417	418	413	409	409	409	402	399	400	399	401	406	404	404	408	412	408	403
13	397	382	376	376	381	395	407	415	416	414	410	408	406	403	401	397	399	403	405	404	407	408	411	410	401
14	403	392	390	405	415	420	417	415	416	414	411	407	408	407	403	401	401	401	401	401	403	407	407	402	406
15	396	391	385	395	402	402	397	401	410	414	410	407	407	405	401	401	401	402	403	404	405	408	410	408	403
16	403	394	388	390	392	397	395	400	404	406	405	404	405	404	401	400	402	404	403	403	402	405	407	405	401
17	402	392	387	387	393	398	402	410	419	415	406	405	403	403	402	401	401	402	403	405	408	409	408	404	403
18	395	386	385	392	398	403	407	413	417	412	406	405	406	405	400	399	399	401	402	403	404	407	407	405	402
19Q	392	375	368	377	393	405	412	417	419	414	407	405	406	406	402	400	401	403	404	404	405	405	407	405	401
20D	399	385	377	383	396	405	411	412	421	420	423	420	422	412	395	388	395	397	400	399	398	398	402	406	403
21D	400	387	380	385	392	395	399	407	413	412	410	411	409	401	399	399	399	394	401	405	406	408	409	412	401
22	404	390	382	387	390	389	392	401	410	412	410	404	402	402	398	397	397	399	401	401	405	408	408	410	400
23	402	389	384	386	392	394	399	401	405	408	406	407	406	402	400	399	400	401	401	401	402	403	407	410	400
24	407	392	384	388	393	401	409	417	416	410	406	406	405	401	400										402
25			384	386	393	398	408	415	419	415	409	404	403	401	400	400	400	402	402	402	406	406	408	409	403
26	405	393	383	381	382	388	392	401	410	414	411	407	404	400	399	398	399	401	403	405	408	412	412	414	401
27	405	394	389	383	382	388	396	412	418	417	413	407	407	404	398	399	399	402	402	406	408	411	411	411	403
28	408	398	389	383	385	387	397	413	422	417	411	407	407	401	399	399	397	399	402	404	405	407	411	413	402
29Q	406	390	381	383	381	382	393	407	416	414	410	406	405	403	397	398	400	403	404	406	411	411	412	414	401
30Q	405	392	385	388	389	393	405	414	418	417	411	408	407	403	400	399	398	400	401	403	406	408	408	409	403
Mean	399	390	387	392	398	403	407	412	415	413	410	407	407	405	402	400	401	402	403	404	405	407	407	407	403
Q	399	389	386	391	395	400	407	414	417	414	409	406	406	405	402	401	401	403	403	404	406	408	406	403	403
D	395	384	379	384	394	401	406	413	417	415	414	413	411	404	400	397	400	399	402	402	404	406	408	408	402

Grafik Hourly Mean Values of Y vs Hour



Grafik Daily Mean Values of Y vs Date

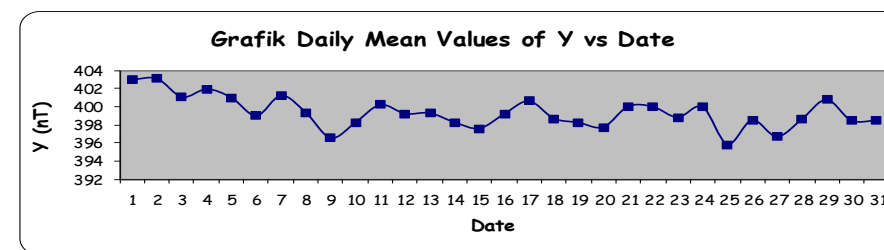
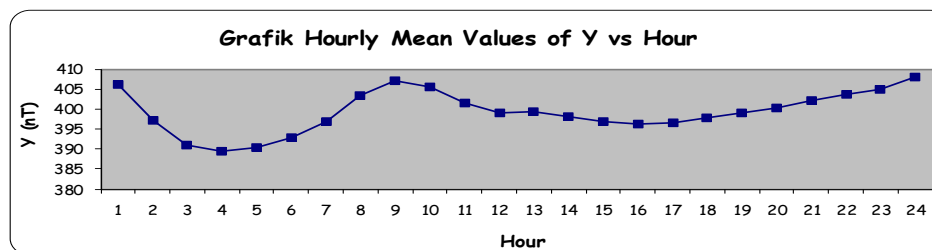


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

May-20

DATE	HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1D	407	401	398	396	395	398	402	410	420	417	408	404	405	402	400	398	398	398	399	401	401	402	405	406	403	
2	401	392	389	395	398	405	413	414	416	414	408	405	405	401	399	398	398	400	401	401	402	405	405	408	403	
3	402	392	385	384	385	395	403	410	418	416	407	402	402	400	399	399	399	400	401	402	403	404	406	410	401	
4	400	391	385	385	390	396	409	419	421	417	408	400	402	400	398	396	398	399	402	401	402	406	408	412	402	
5D	405	392	385	383	386	397	403	407	419	416	410	402	400	398	397	396	397	395	399	402	405	406	409	413	401	
6	404	389	376	384	390	387	387	400	405	406	405	403	403	401	400	400	400	401	402	404	404	405	409	410	399	
7	404	392	382	383	392	401	409	412	415	411	405	400	402	399	398	396	398	400	402	403	403	404	408	410	401	
8	404	391	381	378	382	391	403	411	411	410	406	401	400	398	398	399	398	399	400	401	403	405	406	406	399	
9Q	400	388	382	377	375	382	393	404	409	406	402	400	402	401	398	396	396	397	398	400	401	402	402	407	397	
10	407	399	390	389	390	388	392	398	401	402	399	400	401	400	397	396	396	400	399	400	401	403	404	407	398	
11	406	402	400	398	392	391	396	402	408	407	402	399	401	400	397	397	397	399	399	400	402	402	404	404	400	
12	400	391	389	387	383	384	393	412	404	406	401	399	400	401	400	400	401	401	401	402	403	406	408	409	399	
13	406	397	390	389	388	391	397	411	403	403	400	399	399	399	397	397	399	401	401	401	401	403	404	407	399	
14Q	408	402	395	392	388	388	391	395	398	402	400	399	399	397	396	397	397	399	401	401	403	403	402	402	404	398
15	401	393	389	387	389	391	396	404	407	403	401	399	397	396	396	395	396	398	397	398	400	401	400	407	398	
16	411	405	399	393	387	389	397	402	406	406	402	399	398	399	397	396	396	396	396	398	400	402	402	405	399	
17	402	394	393	394	394	397	401	409	415	412	406	400	400	398	397	396	394	397	399	401	403	403	405	406	401	
18	404	396	391	392	393	393	396	403	409	408	401	398	398	397	394	394	395	395	398	398	400	403	405	408	399	
19	402	389	386	391	392	391	393	404	412	404	397	398	399	397	394	394	394	396	397	400	403	406	409	409	398	
20Q	401	392	388	384	385	387	393	398	402	404	400	400	400	398	398	397	397	398	400	401	402	405	406	409	398	
21	407	400	398	401	400	399	399	402	404	400	397	397	397	397	396	395	395	397	398	400	402	405	406	409	400	
22	408	401	397	397	399	397	396	400	402	402	401	400	402	397	396	396	397	397	398	401	404	403	404	407	400	
23	407	401	394	395	394	392	389	392	400	403	402	401	401	398	397	396	396	397	398	399	401	403	404	413	399	
24D	416	408	399	395	398	399	397	398	401	400	398	395	396	396	396	398	396	396	398	398	401	403	405	411	400	
25	411	400	388	377	374	376	381	392	401	401	398	397	398	397	396	396	397	398	399	402	404	406	406	407	396	
26	406	399	393	388	391	393	390	394	405	407	400	397	396	396	396	396	397	398	399	400	402	404	405	411	398	
27	409	402	393	387	384	386	389	396	401	399	397	397	395	395	393	393	394	396	398	399	402	404	403	408	397	
28	409	402	398	395	394	395	394	398	403	402	399	396	397	397	395	393	394	395	396	398	401	403	402	408	399	
29Q	408	401	396	396	400	404	408	410	411	406	398	395	396	396	395	395	396	397	398	399	401	403	402	406	401	
30D	415	405	399	392	394	397	398	397	394	392	393	395	397	396	396	396	396	398	399	400	403	403	404	405	398	
31	415	405	399	392	394	397	398	397	394	392	393	395	397	396	396	396	396	398	399	400	403	403	404	405	398	
Mean	406	397	391	390	390	393	397	403	407	406	401	399	399	398	397	396	397	398	399	400	402	404	405	408	399	
Q	404	396	390	387	387	390	396	402	405	405	400	399	399	398	397	396	396	398	399	401	402	403	403	406	398	
D	411	401	395	391	393	398	400	403	408	406	402	399	400	398	397	397	397	397	399	400	402	404	406	409	401	

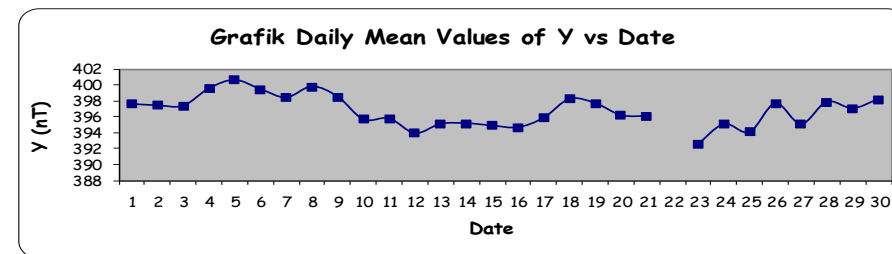
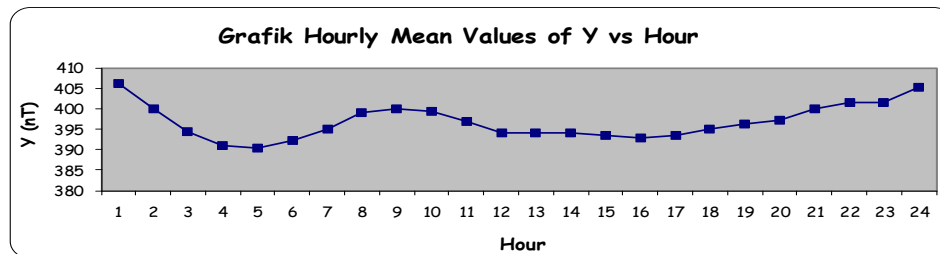


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

June-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	405	399	394	390	394	396	397	398	400	397	394	394	397	396	395	395	395	397	398	399	401	402	404	406	398
2D	408	404	398	393	391	389	393	400	401	400	395	390	392	392	390	394	396	398	400	401	403	402	403	406	397
3	403	396	395	393	386	385	391	398	398	396	397	397	398	398	397	397	397	398	399	400	402	403	402	408	397
4	408	405	405	401	398	399	399	402	401	400	396	395	397	394	393	393	395	398	399	400	400	402	401	407	400
5	411	404	398	397	399	401	402	401	401	402	401	398	398	400	395	396	397	399	399	399	402	404	403	407	401
6	405	397	391	391	394	399	401	401	401	402	403	400	398	397	395	395	397	398	401	401	404	405	404	406	399
7D	406	402	397	390	388	391	398	404	399	397	394	393	394	395	395	395	397	400	397	401	406	404	406	411	398
8	408	402	401	400	396	396	397	402	406	405	401	397	396	396	396	395	394	396	399	399	401	404	403	404	400
9	402	399	397	397	395	396	400	403	405	405	399	396	397	396	395	395	393	394	396	397	400	401	399	405	398
10D	406	398	388	387	389	399	406	403	401	397	394	394	393	393	392	390	392	391	393	394	397	399	397	401	396
11	404	401	398	393	392	392	387	412	399	396	393	392	393	394	394	392	392	393	393	394	396	396	397	405	396
12	406	400	390	382	378	384	389	392	396	400	398	394	394	395	393	392	391	393	393	394	397	399	400	406	394
13Q	410	405	396	387	384	386	387	393	398	400	397	395	393	394	392	390	391	393	393	395	397	400	401	407	395
14Q	405	400	395	391	389	389	392	395	396	399	397	392	393	393	392	392	392	392	393	395	398	401	400	403	395
15	402	400	396	391	384	383	390	398	400	399	395	392	393	392	391	390	390	393	395	397	400	401	401	404	395
16	400	389	381	377	379	389	397	400	399	397	396	395	395	395	395	395	395	395	396	396	400	401	402	407	395
17	409	401	394	391	389	390	392	393	397	400	400	395	395	394	392	390	391	393	396	397	399	400	399	404	396
18	404	396	391	392	396	401	403	404	402	399	399	394	392	394	393	392	394	396	397	399	402	403	404	408	398
19	410	405	400	401	400	397	395	399	397	395	395	393	392	393	394	393	392	395	395	396	397	401	403	407	398
20	413	398	389	389	391	392	391	394	399	401	394	392	392	391	392	391	393	395	398	400	402	403	404	406	396
21	404	398	392	391	392	394	397	399	400	399	394	389	392	393	393	392	394	395	396	397	399	400	400	405	396
22	MAINTENANCE INSKAL																								
23	MAINTENANCE GLOBALINDO									396	393	392	391	391	392	392	391	392	392	392	393	393	393	394	393
24	404	397	390	387	388	390	395	399	400	398	393	393	393	394	395	392	391	393	395	396	398	401	401	401	395
25Q	399	391	388	388	386	387	393	391	396	399	396	392	393	392	392	391	392	393	394	395	398	400	401	407	394
26	412	408	402	394	390	390	392	396	400	399	398	395	394	394	393	391	392	393	395	397	401	404	405	407	398
27D	409	402	392	387	389	390	391	395	394	393	397	393	392	391	394	393	393	394	395	395	398	401	401	402	395
28Q	403	400	394	390	390	398	402	404	405	402	398	395	395	394	392	392	393	395	395	396	400	403	404	407	398
29	407	402	399	394	393	391	392	398	400	402	398	393	393	393	394	392	393	396	397	398	400	401	400	404	397
30	405	398	390	384	387	391	396	402	405	404	398	396	396	397	396	395	397	398	399	400	404	407	407	407	398
Mean	406	400	394	391	390	392	395	399	400	399	397	394	394	394	394	393	394	395	396	397	400	401	402	405	397
Q	404	399	393	389	388	390	393	396	399	400	397	394	394	393	392	392	392	393	394	395	398	401	402	406	396
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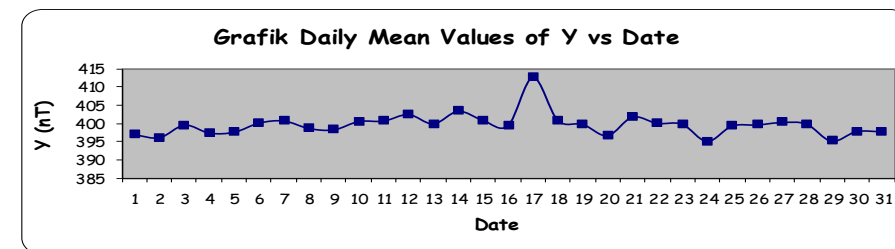
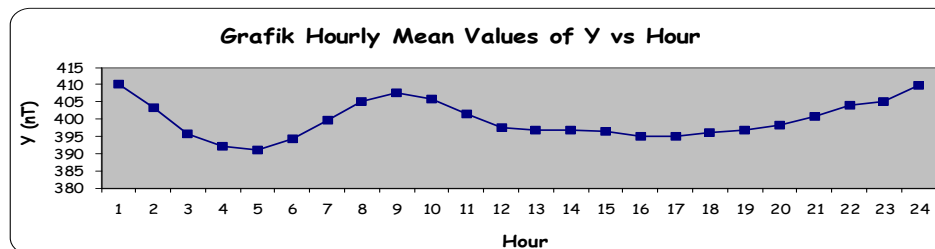


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

July-20

DATE	HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1	404	398		394	394	396	398	399	403	402	398	394	395	395	395	395	396	396							397	
2				390	388	385	384	387	393	399	402	400	396	396	396	397	394	394	397	398	399	403	405	405	408	396
3	408	407	403	400	401	398	399	402	401	403	400	396	397	396	394	393	393	395	396	396	400	403	403	406	400	
4	405	400	392	386	385	390	393	398	405	405	400	395	397	398	398	395	395	397	396	399	400	403	401	405	397	
5D	412	406	401	394	387	381	392	404	410	403	400	394	395	396	395	392	392	393	394	395	400	402	401	406	398	
6	403	398	397	393	395	401	408	411	412	409	403	399	398	398	397	395	395	396	395	396	399	401	402	407	400	
7	409	403	400	401	400	401	400	404	405	403	401	400	398	399	399	397	395	396	396	397	401	403	405	407	401	
8Q	406	397	386	381	387	399	404	410	409	407	401	397	396	396	395	395	394	395	397	397	398	400	402	404	412	399
9	414	406	399	394	392	394	398	403	404	402	396	395	396	395	395	392	392	393	395	396	399	401	402	408	398	
10Q	412	406	403	395	394	398	405	408	407	404	396	395	395	395	395	395	396	396	396	398	401	406	407	412	401	
11	416	412	406	401	399	397	399	404	406	401	400	397	397	397	396	394	393	395	397	397	401	403	404	406	401	
12	407	397	393	393	397	405	409	419	421	413	403	397	396	396	396	393	395	396	398	400	404	407	409	417	403	
13	420	415	405	401	395	395	396	400	404	404	400	396	393	396	394	391	393	395	395	396	398	402	406	410	400	
14D	414	414	411	405	401	401	406	412	412	406	400	395	393	393	394	395	397	397	398	401	405	410	409	414	403	
15	414	408	405	402	400	399	403	408	410	407	400	398	395	395	393	394	395	395	395	395	398	403	404	406	401	
16	404	399	393	393	392	395	401	407	409	409	407	401	396	395	395	393	393	394	395	397	402	404	405	410	399	
17	420	414	408	408	411	418	425	424	420	414	411	408	407	407	405	404	406	407	409	411	414	416	414	422	413	
18	416	409	403	398	396	395	395	401	408	407	403	398	398	398	395	395	396	395	397	400	401	404	406	411	401	
19	410	404	396	395	395	398	403	406	408	407	401	395	396	395	393	392	394	396	396	398	401	404	406	407	400	
20Q	403	392	386	384	382	387	392	395	399	400	401	399	398	397	397	397	396	398	398	398	401	405	407	410	397	
21	408	399	390	396	406	416	417	411	402	402	403	400	399	399	397	396	397	396	396	397	400	402	405	411	402	
22	409	403	394	390	387	388	401	406	411	412	406	401	399	398	399	395	394	395	396	398	399	404	405	412	400	
23	414	403	395	391	388	392	396	403	409	407	402	398	398	398	397	396	396	396	397	398	401	404	405	411	400	
24D	410	397	382	376	374	382	394	404	410	410	404	398	399	400	396	393	381	385	390	393	392	399	403	413	395	
25D	418	409	397	388	380	386	398	406	410	407	402	398	395	395	396	395	396	396	397	398	399	402	404	414	399	
26Q	414	408	401	393	387	386	394	398	401	401	400	396	398	397	398	398	398	398	399	400	402	405	408	412	400	
27	411	402	394	391	392	396	401	403	405	405	402	397	397	398	398	398	399	399	400	401	403	407	405	409	400	
28	410	408	403	396	388	392	395	400	403	405	404	398	397	398	397	396	396	397	399	399	402	405	405	406	400	
29	401	387	374	369	369	380	396	405	406	403	401	396	395	396	395	394	397	399	401	401	401	403	405	410	395	
30	406	396	385	382	380	385	396	409	413	408	402	397	397	396	400	396	396	394	396	398	401	404	404	407	398	
31	406	396	385	382	380	385	396	409	413	408	402	397	397	396	400	396	396	394	396	398	401	404	404	407	398	
Mean	410	403	396	392	391	394	400	405	408	406	402	397	397	397	396	396	395	395	396	397	398	401	404	405	410	400
Q	409	401	394	388	387	392	399	403	404	403	400	397	397	396	396	396	396	397	398	398	401	405	407	412	399	
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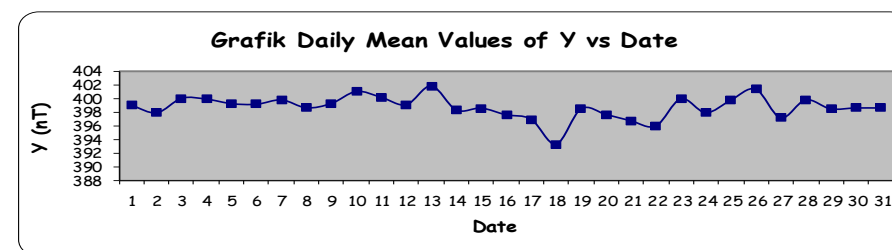
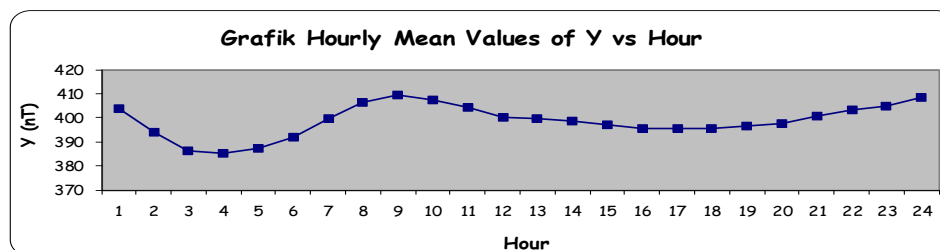


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

August-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1Q	401	388	383	383	387	395	404	412	411	409	406	403	403	397	398	396	396	397	400	401	402	404	405	406	399
2D	398	384	376	380	389	397	405	412	411	409	406	403	403	403	394	392	391	387	393	397	399	404	405	410	398
3D	406	402	398	399	395	396	399	414	420	413	405	397	395	395	394	389	386	393	393	398	397	407	404	404	400
4	399	390	384	383	395	404	410	412	413	407	403	400	398	397	396	394	395	396	398	400	402	405	404	409	400
5	406	396	392	392	391	396	398	402	405	406	405	400	399	399	397	395	396	396	397	398	402	405	403	405	399
6	400	390	386	389	393	396	402	409	409	406	401	399	400	399	398	397	396	396	397	397	401	404	404	407	399
7	406	396	386	378	379	386	413	421	408	409	403	398	399	399	398	396	397	397	397	400	402	407	409	410	400
8	408	402	391	382	381	390	398	402	404	405	403	401	401	401	399	398	398	395	396	397	401	401	403	408	399
9Q	406	397	386	385	385	393	402	406	408	405	399	399	399	400	401	399	400	398	396	398	402	404	404	408	399
10	409	400	392	391	393	401	408	416	417	413	407	401	398	397	397	394	395	395	395	396	399	402	403	403	401
11Q	398	396	390	387	395	403	408	412	411	407	403	398	397	397	396	395	396	397	396	397	403	405	405	411	400
12	408	405	400	394	391	393	396	401	405	404	400	399	398	397	395	394	394	395	397	398	401	404	404	405	399
13	402	393	386	389	391	403	412	419	422	417	410	402	401	400	399	395	395	396	396	397	398	405	407	409	402
14	401	390	386	383	392	399	408	411	410	404	403	400	396	397	394	392	392	394	395	397	401	404	405	406	398
15	400	388	384	389	391	397	407	408	412	407	400	396	396	395	396	396	396	396	396	396	401	403	404	410	399
16	408	397	389	388	387	389	396	400	403	402	401	398	397	397	398	395	395	394	395	397	401	404	405	406	398
17	402	390	379	379	381	391	401	408	408	402	399	397	397	397	398	394	396	396	396	398	401	404	405	407	397
18	403	389	374	367	374	379	386	396	400	402	404	401	401	395	392	392	393	392	393	395	399	402	402	409	393
19	401	390	389	392	392	396	399	403	406	406	404	399	397	398	396	395	393	394	395	396	400	404	407	409	398
20	403	393	385	380	380	384	391	401	409	413	408	400	399	398	395	395	395	396	396	397	399	405	408	414	398
21	410	394	381	375	373	384	399	407	407	403	401	399	398	397	396	395	395	396	397	398	400	401	403	410	397
22	405	389	375	370	369	370	383	401	415	414	406	401	398	399	398	397	398	397	397	397	401	403	406	412	396
23	406	390	379	378	386	394	400	404	411	412	407	402	402	400	401	397	397	398	398	400	404	407	409	416	400
24Q	410	397	385	380	383	386	391	397	405	406	403	401	400	400	399	399	400	399	399	399	400	401	402	406	398
25	404	396	392	394	397	398	398	398	401	406	406	403	401	401	400	396	397	399	399	398	402	401	400	405	400
26	403	399	397	398	403	408	410	408	406	404	407	402	399	399	399	397	395	397	396	397	399	400	401	408	401
27	404	392	384	384	381	382	389	398	403	404	402	403	404	403	399	396	396	397	398	398	401	401	403	408	397
28	408	403	398	395	391	385	390	403	410	409	407	405	405	404	400	397	391	397	397	396	398	398	402	404	400
29D	401	393	385	381	382	388	398	407	411	414	407	400	397	396	397	395	397	395	394	400	400	403	409	410	398
30D	399	390	383	386	389	384	391	405	411	409	407	401	405	399	398	394	398	396	397	396	401	404	407	414	399
31	399	390	383	386	389	384	391	405	411	409	407	401	405	399	398	394	398	396	397	396	401	404	407	414	399
Mean	404	394	386	385	387	392	399	406	409	408	404	400	399	399	397	395	395	396	396	398	400	403	405	409	399
Q	404	395	386	384	388	394	402	407	409	406	402	399	399	398	398	397	398	398	398	399	401	404	404	408	399
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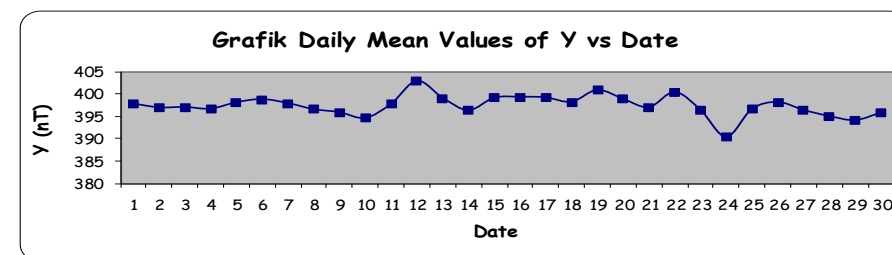
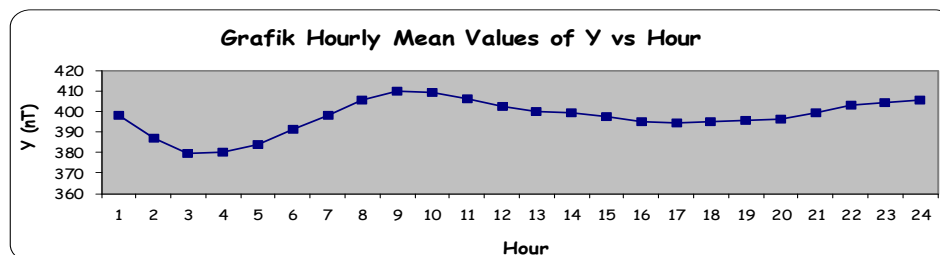


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

September-20

DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1D	408	390	377	372	375	388	399	410	417	411	405	402	402	402	398	392	390	392	393	394	402	405	410	412	398	
2	407	393	381	375	377	378	385	397	407	406	403	403	403	400	395	392	394	394	396	399	401	410	412	417	397	
3	411	396	383	376	371	375	381	396	406	408	404	401	400	400	401	398	399	398	398	399	403	407	409	410	397	
4	399	390	384	378	379	389	396	403	408	408	405	404	401	398	393	393	394	392	394	395	400	403	407	404	397	
5	393	383	374	370	373	382	396	410	417	419	411	405	401	399	400	397	398	398	399	399	402	406	408	413	398	
6	410	401	389	381	381	383	386	392	402	409	410	407	403	402	400	397	396	397	397	398	402	405	407	416	399	
7	407	388	376	377	387	393	396	399	410	414	411	405	403	400	398	394	393	394	394	395	398	403	406	408	398	
8	404	394	386	381	380	385	388	394	402	404	403	401	399	399	398	397	396	397	396	399	399	403	404	409	396	
9Q	407	393	381	373	370	371	382	389	405	409	409	404	401	401	402	400	398	398	399	398	398	400	403	402	404	396
10	395	376	362	361	369	376	391	414	411	413	409	403	400	400	401	399	399	399	398	399	data lost			412	395	
11Q	403	388	376	375	383	393	394	402	407	406	403	401	401	400	399	399	398	398	399	399	402	404	404	411	398	
12	405	397	398	401	406	411	416	419	420	414	403	400	399	398	397	396	397	397	397	397	400	401	400	398	403	
13	387	377	375	377	386	400	415	421	418	413	407	404	401	399	399	397	398	398	398	398	400	402	404	406	399	
14	392	377	369	375	387	391	395	403	405	404	404	401	398	401	398	399	396	396	397	398	402	405	406	409	396	
15	404	389	380	380	385	391	400	410	417	417	416	408	401	403	399	395	395	395	395	394	396	400	402	405	399	
16Q	399	396	393	386	384	393	401	405	406	406	407	404	402	401	401	397	397	396	395	397	400	403	405	409	399	
17	402	393	394	395	399	403	408	407	406	401	398	400	399	400	398	397	397	396	395	395	398	400	399	399	399	
18	388	389	383	396	390	397	405	405	410	408	403	401	400	398	398	396	398	400	data lost						398	
19Q	data lost								411	408	404	401	401	403	399	397	396	397	395	395	399	401	401	403	401	
20	392	379	375	382	396	403	404	402	408	413	408	402	400	401	399	399	398	397	397	399	400	405	406	406	399	
21	394	381	377	381	386	390	390	392	402	408	406	402	401	404	399	397	397	397	399	401	407	405	406	406	397	
22	400	390	388	402	402	408	409	413	418	415	410	402	397	398	395	393	393	394	395	395	397	398	397	400	400	
23	395	383	377	376	382	390	398	411	417	418	414	407	400	398	394	391	393	393	392	389	395	397	399	404	396	
24D	391	374	361	362	365	379	387	397	405	409	403	397	398	401	390	389	393	393	395	395	396	398	395	393	390	
25	390	380	382	387	389	395	400	407	412	407	403	401	396	397	396	386	386	393	392	393	399	406	413	408	397	
26D	396	391	389	390	390	395	404	412	409	410	407	401	399	391	390	389	394	396	396	396	397	402	405	406	398	
27D	396	386	379	380	388	395	403	413	412	405	399	398	396	395	394	388	383	388	390	392	407	416	405	403	396	
28	396	381	371	379	384	395	406	414	412	409	406	399	398	396	395	392	388	387	389	392	392	396	401	399	395	
29	385	380	377	376	382	391	401	409	407	404	398	401	399	398	393	389	392	394	394	395	396	400	399	396	394	
30	386	379	373	378	390	399	401	406	406	403	403	402	400	400	395	393	392	393	395	395	397	404	404	401	396	
Mean	398	387	380	380	384	391	398	405	410	409	406	402	400	399	397	395	395	395	395	396	400	403	404	406	397	
Q	403	393	383	378	379	386	392	399	407	407	406	403	401	401	400	398	397	397	397	397	400	403	403	407	398	
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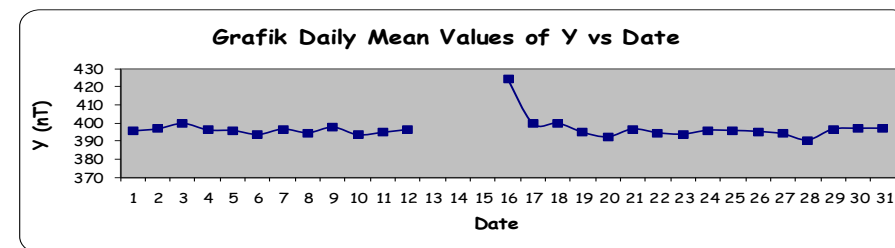
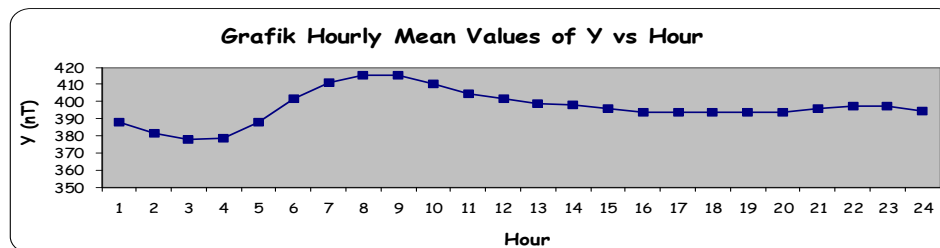
Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

October-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	387	374	371	373	380	393	398	401	404	408	411	411	403	399	394	394	395	393	396	397	399	401	404	405	395
2	393	381	383	378	378	392	404	411	411	407	406	404	400	401	396	392	392	393	392	397	400	400	403	405	397
3	393	385	383	380	389	405	416	416	417	414	408	405	401	401	398	397	396	395	395	396	399	401	402	400	400
4	388	378	374	380	384	393	400	409	412	409	404	401	400	400	396	395	396	395	395	395	397	399	401	403	396
5D	394	385	381	379	383	395	408	416	415	408	401	400	398	397	393	385	388	390	393	396	395	398	402	398	396
6	385	376	371	376	386	396	404	408	405	403	400	398	395	395	395	396	395	394	394	394	396	395	395	392	393
7	383	377	374	375	378	391	408	417	416	411	403	399	398	399	398	395	395	396	396	396	398	402	406	406	396
8Q	393	379	371	372	380	391	403	406	407	402	397	395	395	396	397	395	396	397	396	396	396	400	404	402	394
9Q	391	380	376	377	387	402	416	422	424	415	403	397	396	397	394	394	393	393	393	393	396	397	400	401	398
10Q	388	374	365	364	371	392	406	407	407	403	401	397	398	400	398	395	395	394	392	392	397	398	401	401	393
11	395	388	385	384	382	385	394	401	406	406	402	398	396	397	394	394	394	394	393	393	396	397	399	398	395
12	390	387	389	390	390	395	400	404	406	408	407	400	396	399	396	393	393	392	392	393	397	399	399	394	396
13	DATA TIDAK TERSEDIA KARENA ADA KENDALA KONEKSI DIGITIZER DENGAN MINIPC																								
14																									
15																									
16	383	383	385	383	439	520	540	539	536	472	408	405	405	404	402	399	398	397	395	394	396	398	402	402	424
17	389	383	386	396	406	415	420	417	413	410	405	401	400	400	398	396	396	395	394	391	395	396	394	391	400
18	387	386	388	387	391	397	403	407	410	409	410	407	405	405	404	403	400	400	399	400	402	403	398	392	400
19	383	379	381	385	395	407	411	412	409	407	404	400	396	397	396	393	392	392	389	388	391	392	390	384	395
20	372	368	372	374	381	393	402	405	406	406	404	400	398	399	396	393	394	394	392	392	394	395	392	389	392
21	383	377	376	377	384	398	409	419	417	412	406	402	399	399	400	398	397	396	395	393	394	396	397	393	397
22	386	376	369	366	376	393	406	412	415	412	405	400	399	398	396	393	394	394	393	393	395	397	398	400	394
23	391	379	364	361	380	399	408	413	413	408	403	400	399	398	397	395	394	393	393	393	395	394	392	387	394
24D	390	389	388	386	399	405	408	411	415	405	402	396	397	394	393	390	391	391	390	391	394	395	392	389	396
25D	390	392	390	386	389	399	405	414	414	406	401	399	393	387	395	390	393	392	395	395	396	396	393	388	396
26D	385	385	379	381	393	403	408	399	402	407	407	401	401	395	391	393	391	393	393	393	396	398	397	393	395
27	391	385	382	389	390	398	403	405	404	401	400	400	398	397	396	393	393	394	390	391	394	391	388	381	394
28	372	366	366	375	389	396	398	398	398	398	400	401	398	393	389	386	390	393	393	397	398	397	393	387	390
29	383	381	378	380	393	408	414	414	416	415	406	403	399	397	395	390	386	395	395	395	397	396	394	386	396
30Q	396	388	378	373	382	398	412	420	418	412	410	407	402	398	395	394	394	394	393	391	393	395	394	389	397
31	396	388	378	373	382	398	412	420	418	412	410	407	402	398	395	394	394	394	393	391	393	395	394	389	397
Mean	388	381	378	379	388	402	411	415	416	410	404	401	399	398	396	394	394	394	394	394	396	397	397	394	397
Q	392	381	373	372	380	396	409	414	414	408	403	399	398	398	396	395	395	395	393	393	396	398	399	398	396
D	390	388	384	383	391	400	407	410	411	407	403	399	397	393	393	389	391	391	393	394	395	397	396	392	396

Catatan : pada tanggal 15 jam 01:17:57 s.d 01:24 UTC nilai komponen Y tidak stabil

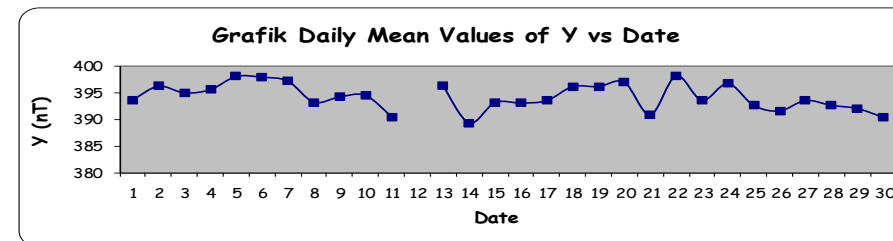
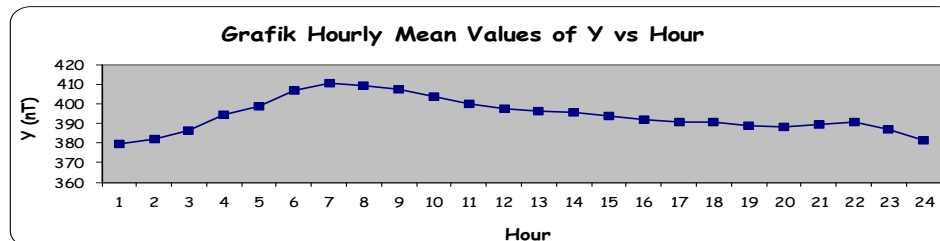


Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

November-20

DATE	HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	380	375	371	374	389	402	406	408	410	407	401	400	399	395	387	391	393	390	392	394	395	395	397	396	394
2	data lost						400	400	399	397	398	397	397	398	397	395	394	396	392	391	393	395	396	394	396
3	389	386	384	388	397	404	412	411	405	399	397	398	398	396	397	394	392	392	391	391	392	395	389	382	395
4Q	377	377	381	390	400	412	420	419	411	405	400	398	396	396	396	394	393	394	392	390	391	392	387	383	396
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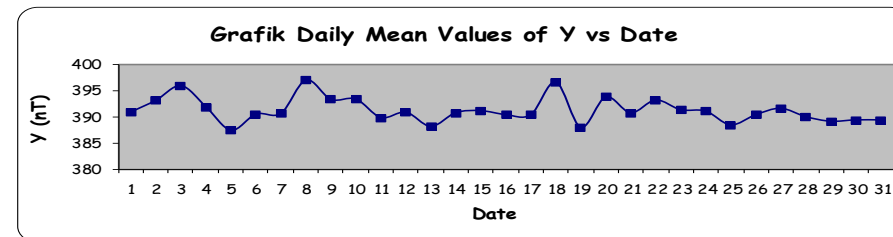
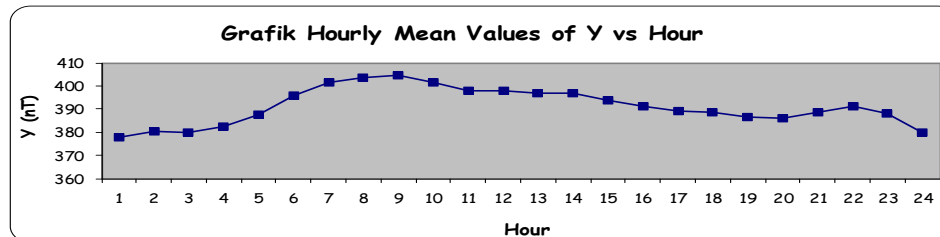
Y COMPONENT  
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

December-20

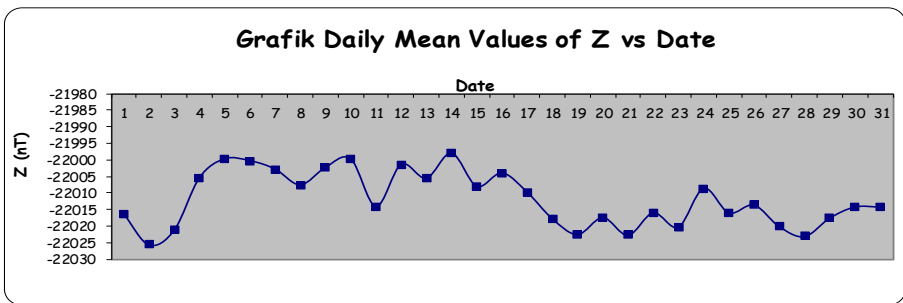
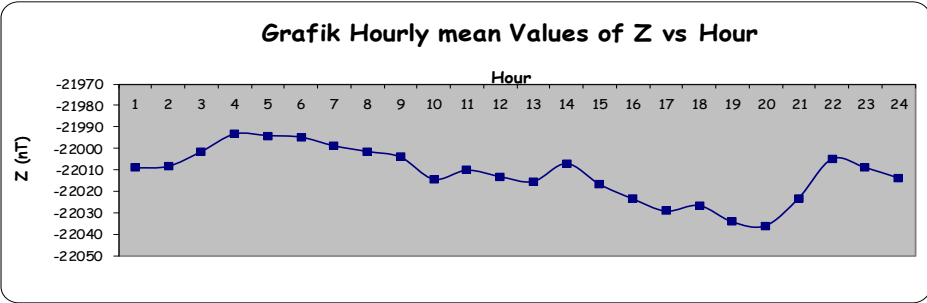
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Catatan : pada tanggal 15 jam 01:17:57 s.d 01:24 UTC nilai komponen Y tidak stabil





TANGERANG MAGNETIC OBSERVATORY																									January-20
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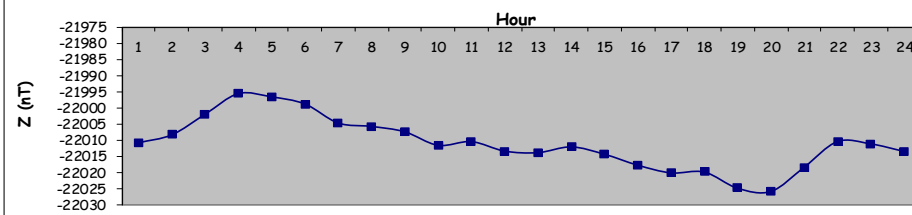
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HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

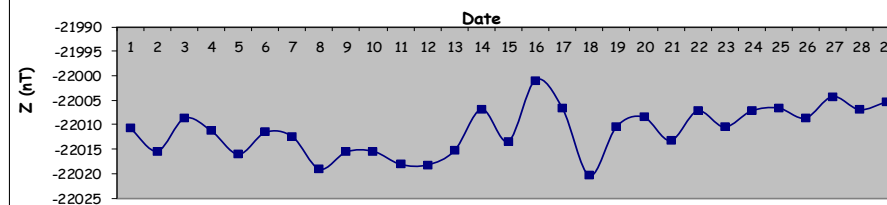
February-20

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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



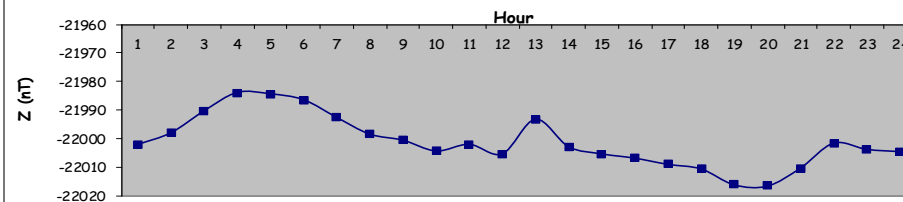
VERTICAL (Z) COMPONENT  
HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

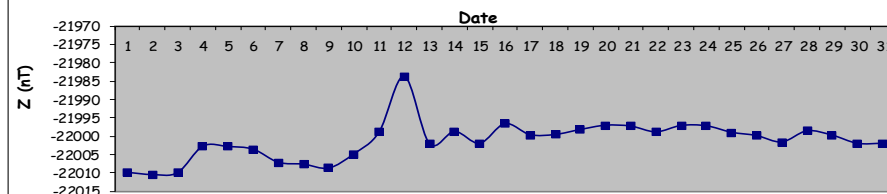
March-20

DATE	HOUR																								MEAN
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Grafik Hourly mean Values of Z vs Hour



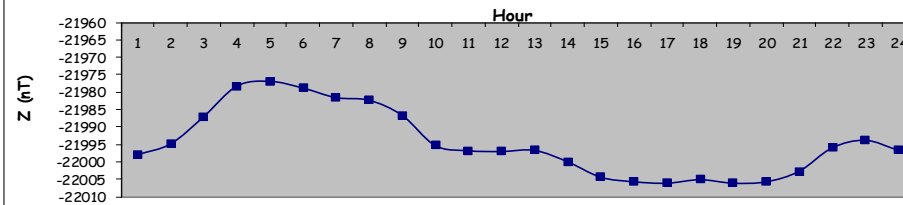
Grafik Daily Mean Values of Z vs Date



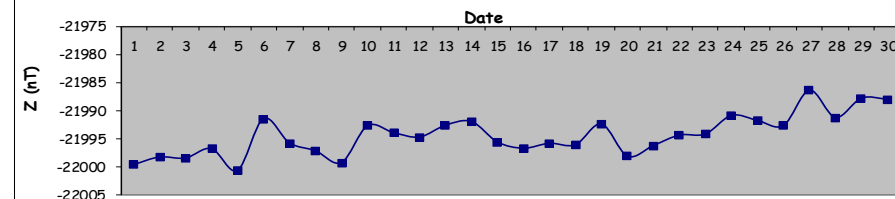


TANGERANG MAGNETIC OBSERVATORY																								April-20	
DATE	HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)																							MEAN	
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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



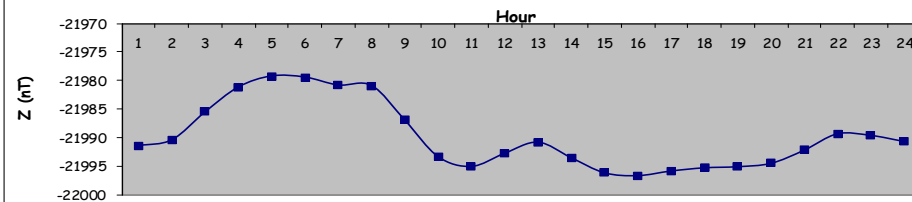
VERTICAL (Z) COMPONENT  
HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

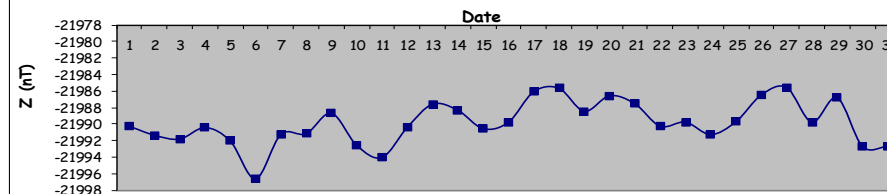
May-20

DATE	HOUR																								MEAN
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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



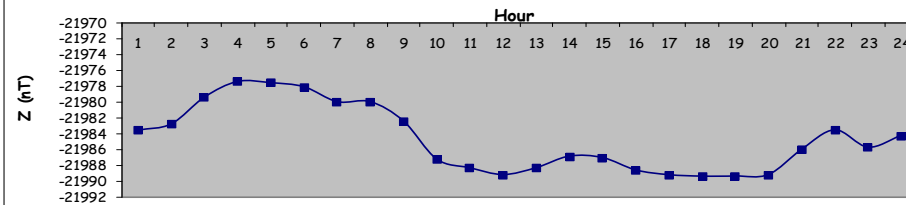
VERTICAL (Z) COMPONENT  
HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

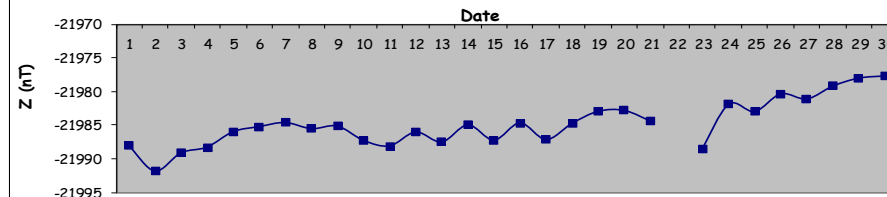
June-20

DATE	HOURLY MEAN VALUES OF Z (nT)																							MEAN	
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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



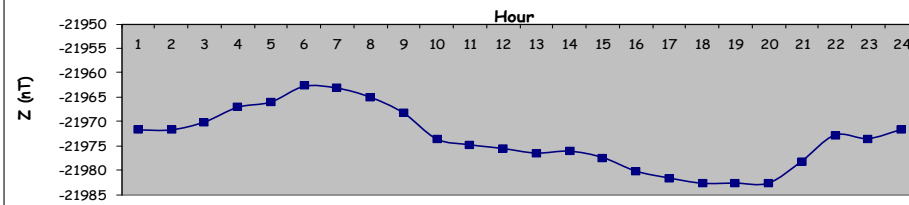
VERTICAL (Z) COMPONENT  
HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

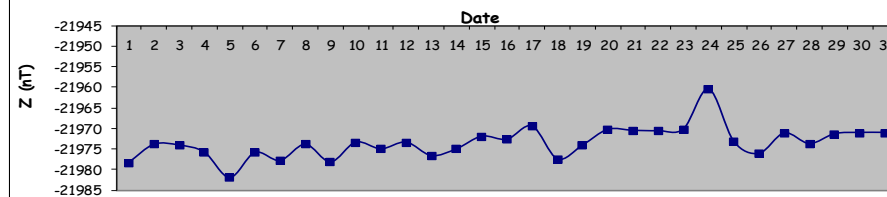
July-20

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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



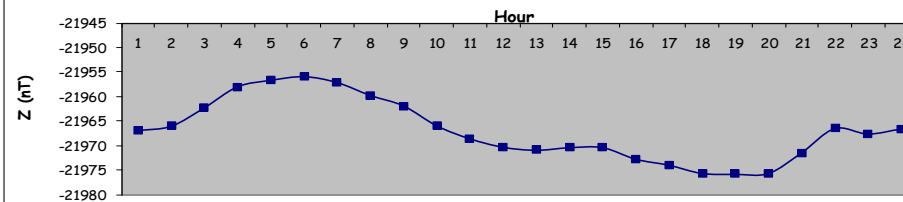
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## TANGERANG MAGNETIC OBSERVATORY

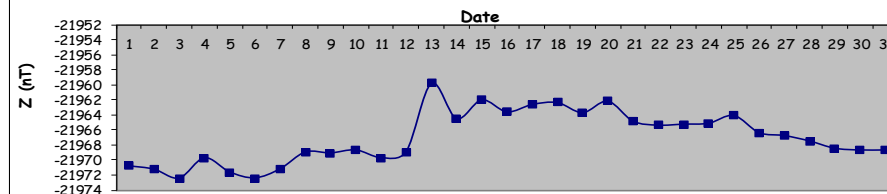
August-20

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Grafik Hourly mean Values of Z vs Hour

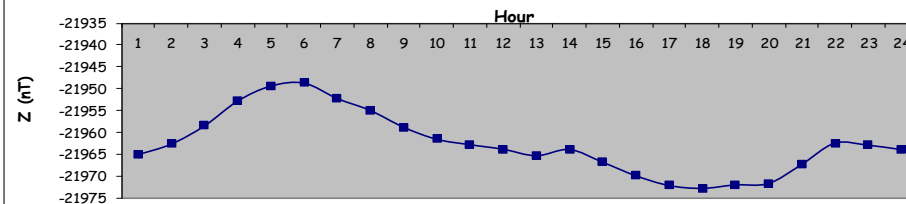


Grafik Daily Mean Values of Z vs Date

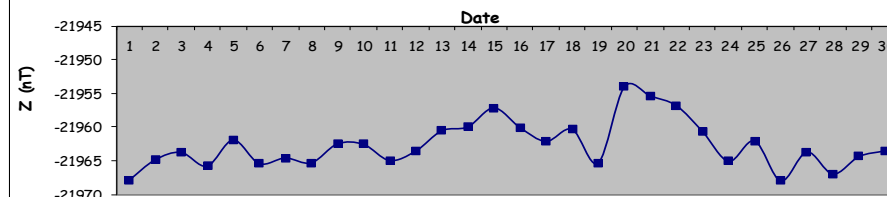


TANGERANG MAGNETIC OBSERVATORY																								September-20	
DATE	HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)																							MEAN	
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27D	-21970	-21963	-21959	-21953	-21949	-21947	-21947	-21956	-21962	-21965	-21964	-21965	-21966	-21965	-21969	-21973	-21971	-21976	-21971	-21965	-21964	-21965	-21970	-21975	-21964
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Mean	-21965	-21963	-21958	-21953	-21949	-21949	-21952	-21955	-21959	-21962	-21963	-21964	-21965	-21964	-21967	-21970	-21972	-21973	-21972	-21972	-21967	-21962	-21963	-21964	-21963
Q	-21964	-21962	-21960	-21955	-21951	-21949	-21951	-21953	-21956	-21960	-21962	-21964	-21966	-21965	-21967	-21969	-21971	-21972	-21971	-21972	-21967	-21964	-21964	-21963	-21963
D	-21970	-21967	-21964	-21960	-21958	-21955	-21956	-21963	-21966	-21965	-21964	-21965	-21967	-21969	-21969	-21973	-21974	-21974	-21970	-21970	-21968	-21965	-21967	-21968	-21966

Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date





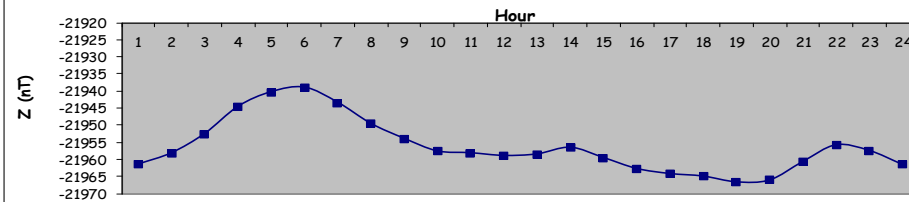
VERTICAL (Z) COMPONENT  
HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

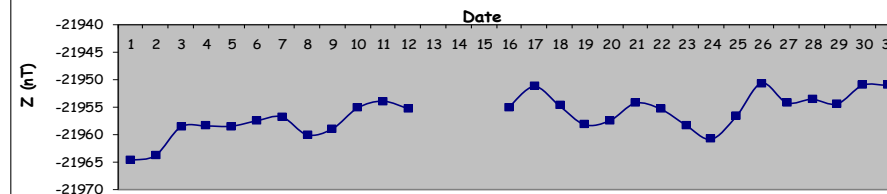
October-20

DATE	HOURLY MEAN VALUES OF Z (nT)																							MEAN	
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9Q	-21958	-21961	-21955	-21948	-21940	-21941	-21945	-21950	-21954	-21961	-21964	-21963	-21962	-21960	-21967	-21967	-21967	-21968	-21969	-21970	-21959	-21958	-21961	-21969	-21959
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13	DATA TIDAK TERSEDIA KARENA ADA KENDALA KONEKSI DIGITIZER DENGAN MINIPC																								
14																									
15																									
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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



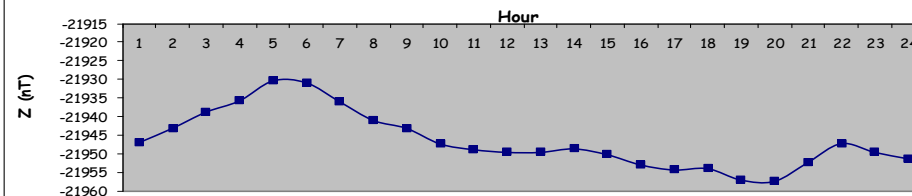
VERTICAL (Z) COMPONENT  
HOURLY MEAN VALUES OF Z : ( 0 + Tabular values in nT)

## TANGERANG MAGNETIC OBSERVATORY

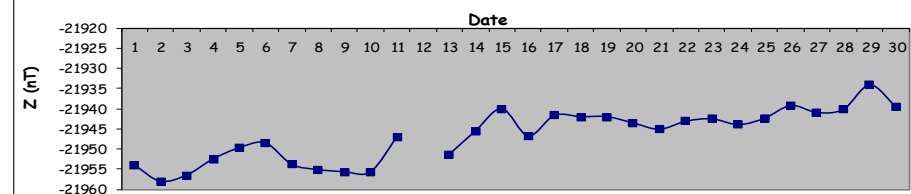
November-20

DATE	HOUR																							MEAN	
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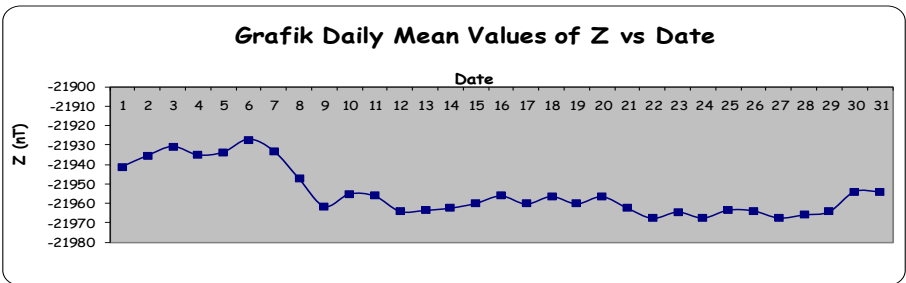
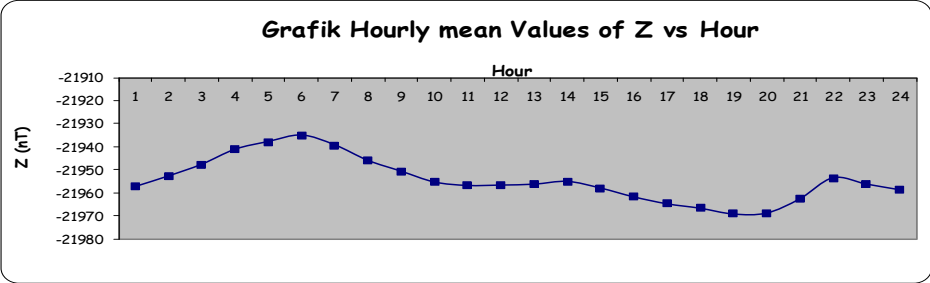
Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



TANGERANG MAGNETIC OBSERVATORY																									December-20
DATE	HOUR																								MEAN
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Mean	-21957	-21953	-21948	-21941	-21938	-21935	-21939	-21946	-21951	-21955	-21957	-21957	-21956	-21955	-21958	-21962	-21965	-21967	-21969	-21969	-21963	-21954	-21956	-21959	-21955
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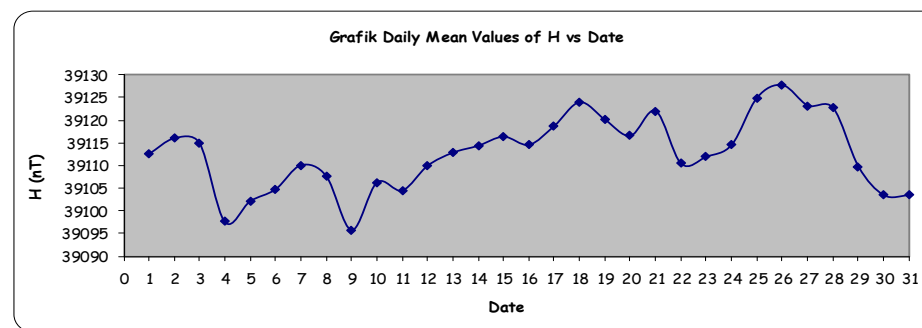
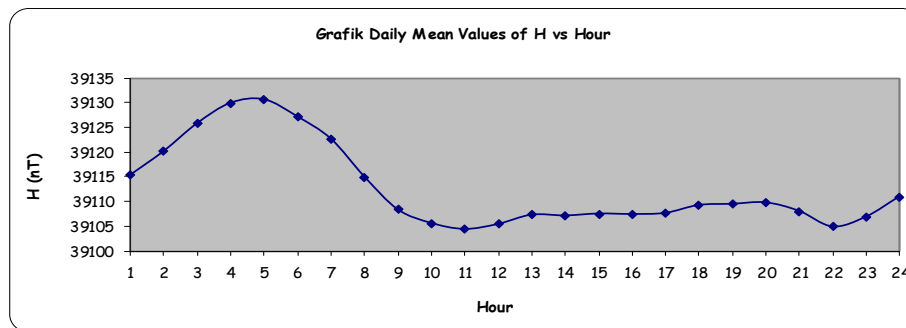


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

January-20

DATE	HOUR																							MEAN	
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7	39108	39116	39127	39132	39127	39121	39117	39118	39109	39107	39106	39106	39106	39103	39104	39101	39101	39102	39107	39111	39107	39097	39100	39108	39110
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20Q	39122	39122	39120	39120	39121	39123	39120	39114	39111	39113	39113	39115	39116	39117	39116	39113	39115	39115	39117	39116	39115	39112	39114	39119	39117
21	39129	39137	39146	39150	39145	39141	39133	39124	39114	39118	39129	39132	39132	39132	39118	39106	39096	39109	39107	39106	39104	39102	39106	39113	39122
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Q	39116	39121	39128	39132	39134	39130	39122	39115	39109	39108	39106	39106	39107	39107	39107	39107	39108	39108	39109	39109	39108	39105	39106	39109	39113
D	39113	39117	39122	39127	39130	39125	39119	39111	39103	39097	39093	39097	39096	39099	39100	39105	39105	39108	39105	39102	39097	39094	39097	39102	39107

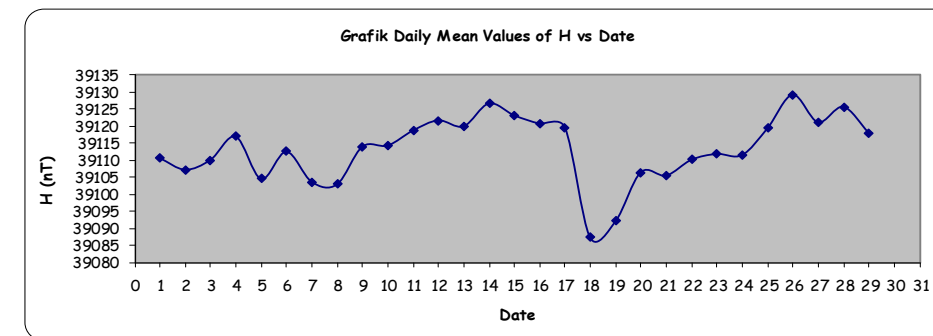
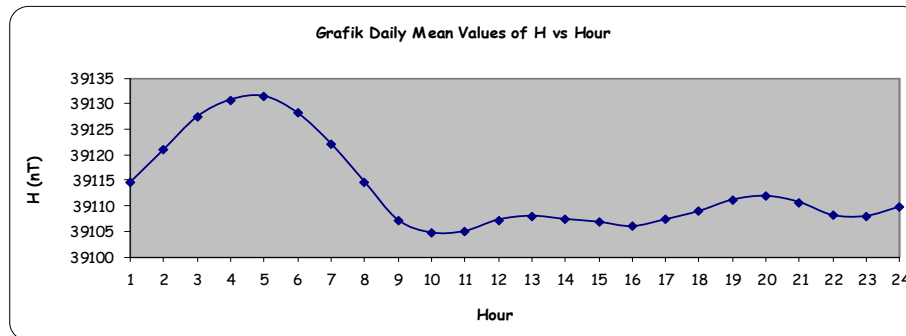


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

February-20

DATE	HOUR																							MEAN	
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4	39131	39136	39135	39139	39144	39141	39131	39117	39107	39101	39098	39106	39113	39113	39113	39107	39113	39115	39114	39108	39103	39110	39109	39103	39117
5	39105	39106	39108	39106	39103	39103	39102	39103	39102	39100	39101	39106	39104	39106	39105	39104	39103	39105	39109	39109	39105	39102	39103	39107	39104
6D	39112	39116	39126	39130	39133	39135	39114	39102	39106	39116	39117	39110	39110	39104	39097	39097	39105	39110	39111	39108	39117	39106	39108	39109	39112
7D	39113	39112	39112	39097	39105	39108	39106	39098	39096	39101	39102	39100	39095	39091	39100	39095	39096	39105	39110	39109	39113	39111	39105	39108	39104
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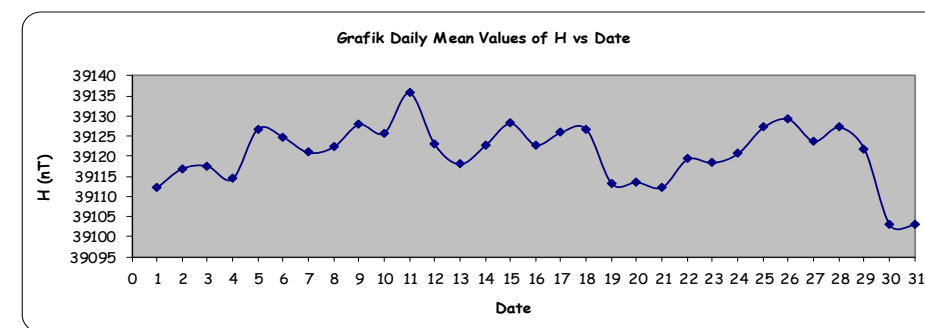
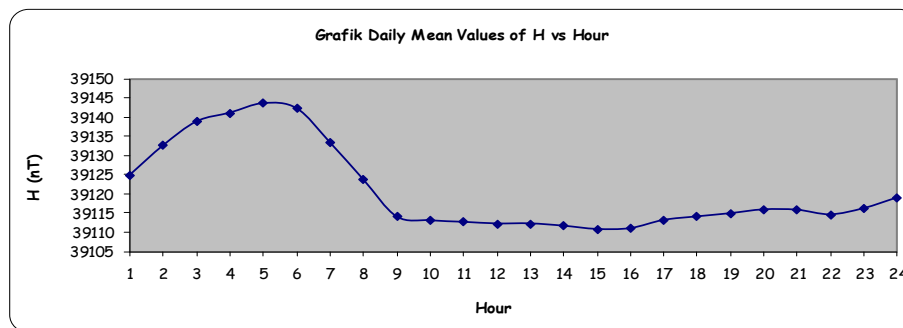


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

March-20

DATE	HOUR																							MEAN	
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31	39112	39108	39099	39094	39099	39117	39108	39081	39103	39111	39111	39104	39092	39082	39084	39088	39106	39110	39105	39107	39117	39112	39110	39111	39103
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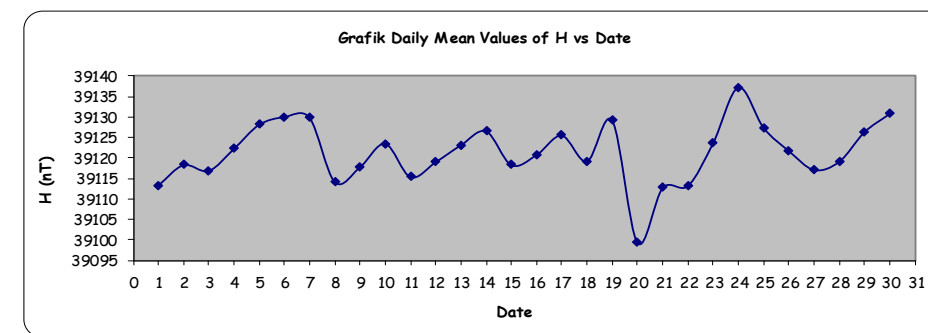
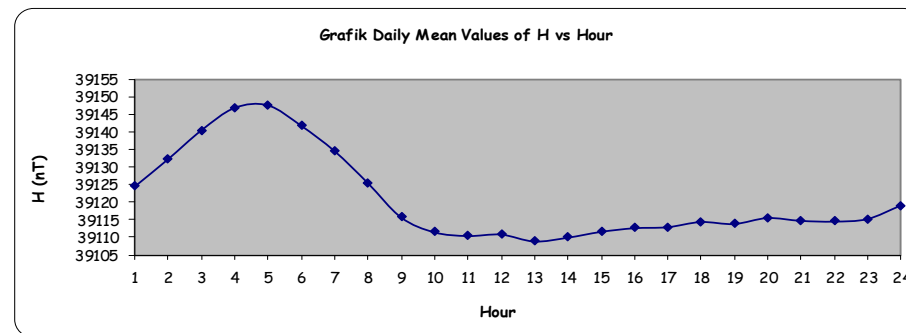


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

April-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
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5	39126	39139	39148	39153	39165	39165	39159	39148	39134	39127	39111	39116	39111	39111	39111	39115	39116	39115	39115	39116	39114	39115	39117	39120	39128
6Q	39129	39141	39150	39159	39163	39159	39149	39137	39126	39124	39123	39121	39121	39121	39118	39118	39118	39118	39119	39121	39122	39121	39120	39122	39130
7	39129	39133	39137	39147	39156	39154	39150	39134	39123	39123	39125	39125	39123	39122	39124	39127	39126	39120	39122	39118	39120	39129	39127	39126	39130
8D	39132	39148	39161	39161	39144	39140	39137	39115	39098	39090	39087	39096	39096	39104	39089	39096	39100	39097	39098	39109	39111	39103	39115	39113	39114
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19Q	39132	39138	39147	39156	39158	39153	39143	39132	39125	39123	39124	39125	39119	39119	39123	39121	39119	39121	39118	39119	39120	39120	39120	39125	39129
20D	39129	39137	39154	39170	39163	39163	39163	39156	39121	39068	39021	39014	39002	39018	39058	39083	39080	39084	39090	39094	39097	39100	39106	39114	39099
21D	39120	39129	39140	39156	39164	39154	39139	39132	39122	39117	39112	39091	39067	39082	39095	39092	39096	39109	39099	39097	39098	39096	39100	39104	39113
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30Q	39128	39134	39145	39151	39150	39144	39142	39133	39121	39118	39118	39120	39121	39124	39126	39129	39130	39131	39131	39129	39128	39128	39128	39132	39131
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Q	39130	39138	39148	39155	39156	39149	39140	39130	39121	39119	39120	39120	39119	39121	39123	39124	39124	39124	39123	39123	39122	39122	39126	39129	39129
D	39126	39136	39149	39158	39155	39149	39142	39130	39113	39096	39083	39079	39068	39078	39089	39095	39097	39100	39101	39104	39104	39101	39107	39111	39111



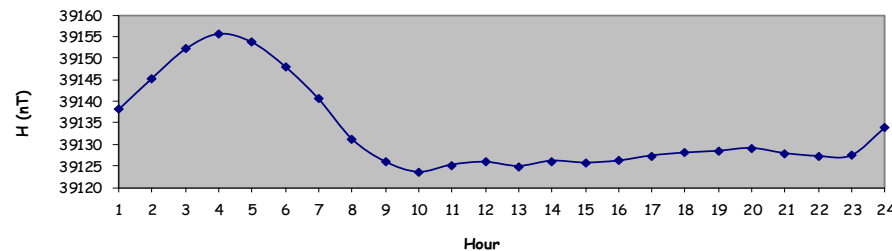
HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

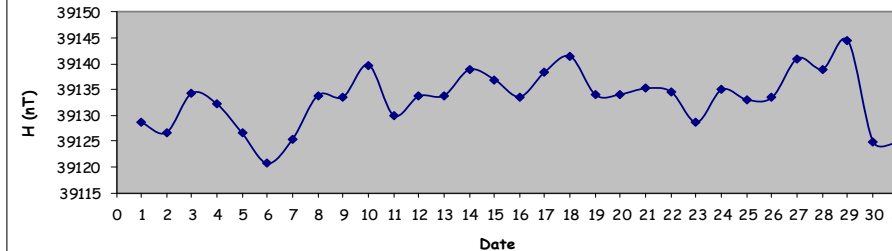
May-20

DATE	HOUR																							MEAN	
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3	39140	39145	39148	39150	39144	39133	39132	39131	39123	39120	39124	39127	39128	39130	39131	39130	39131	39131	39135	39139	39142	39140	39130	39139	39134
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5D	39134	39138	39146	39146	39145	39142	39138	39128	39113	39114	39119	39125	39131	39132	39125	39120	39121	39122	39118	39118	39112	39112	39115	39123	39126
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7	39126	39133	39140	39147	39143	39136	39123	39113	39111	39114	39115	39116	39111	39122	39128	39127	39126	39124	39124	39125	39124	39124	39124	39131	39125
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9Q	39128	39138	39146	39153	39154	39146	39140	39134	39127	39124	39126	39128	39126	39128	39129	39129	39129	39129	39130	39131	39129	39130	39132	39137	39133
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18	39143	39153	39161	39165	39159	39149	39141	39135	39129	39129	39134	39134	39134	39134	39133	39133	39134	39142	39140	39141	39137	39140	39142	39150	39141
19	39156	39162	39167	39172	39169	39158	39140	39126	39115	39117	39124	39116	39117	39117	39120	39124	39126	39126	39127	39129	39127	39124	39122	39133	39134
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21	39150	39160	39167	39167	39164	39152	39137	39125	39120	39119	39122	39123	39122	39120	39122	39127	39129	39130	39129	39132	39132	39131	39130	39136	39135
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24D	39137	39146	39149	39151	39155	39157	39155	39144	39132	39130	39136	39139	39137	39134	39132	39124	39129	39122	39118	39119	39118	39119	39124	39133	39135
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26	39138	39148	39151	39155	39151	39148	39143	39136	39129	39123	39122	39124	39125	39128	39128	39130	39130	39130	39130	39129	39124	39122	39125	39133	39133
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28	39146	39151	39163	39163	39159	39152	39147	39143	39135	39132	39133	39133	39129	39128	39125	39126	39130	39132	39134	39135	39135	39134	39134	39137	39139
29Q	39149	39164	39170	39171	39169	39160	39153	39145	39141	39135	39134	39136	39134	39134	39132	39132	39133	39135	39135	39135	39137	39140	39141	39152	39144
30D	39124	39132	39134	39138	39140	39136	39131	39128	39125	39120	39123	39122	39118	39115	39113	39118	39121	39121	39121	39122	39121	39121	39122	39127	39125
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Mean	39138	39145	39152	39156	39154	39148	39141	39131	39126	39123	39125	39126	39125	39126	39126	39126	39127	39128	39128	39129	39128	39127	39127	39134	39133
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D	39133	39140	39145	39149	39151	39148	39143	39131	39119	39118	39125	39128	39125	39123	39120	39119	39123	39122	39120	39121	39119	39119	39121	39128	39129

Grafik Daily Mean Values of H vs Hour



Grafik Daily Mean Values of H vs Date

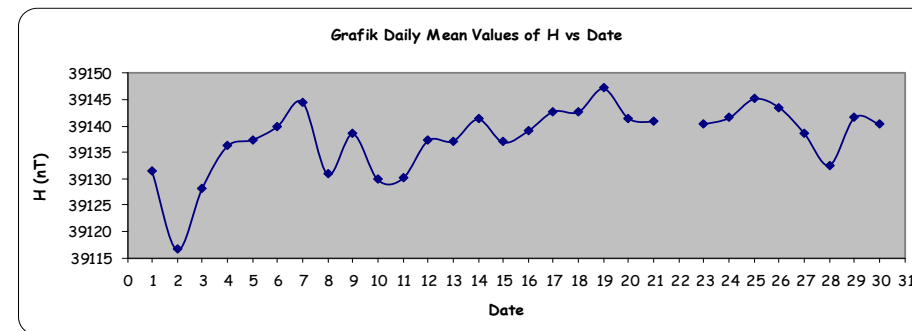
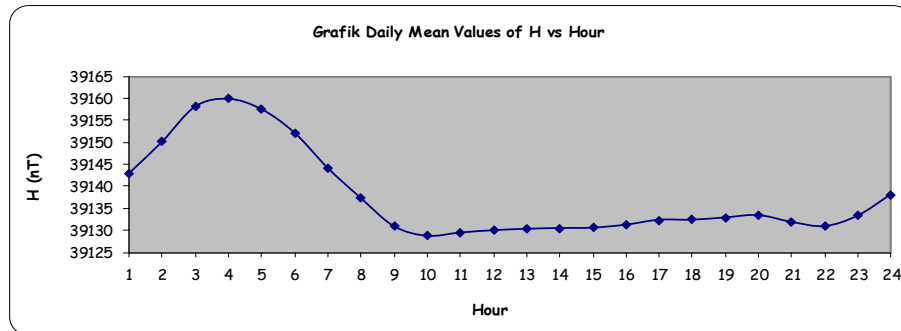


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

June-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
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2D	39129	39132	39140	39139	39132	39129	39120	39110	39102	39092	39095	39099	39101	39103	39105	39108	39114	39117	39117	39118	39121	39122	39124	39128	39117
3	39134	39141	39148	39150	39147	39142	39134	39126	39122	39119	39119	39118	39118	39122	39122	39122	39122	39122	39122	39124	39123	39122	39125	39131	39128
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5	39141	39151	39158	39163	39165	39164	39153	39144	39136	39130	39129	39129	39128	39125	39126	39124	39125	39126	39129	39132	39129	39128	39129	39133	39137
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7D	39143	39155	39170	39171	39166	39158	39151	39140	39137	39135	39139	39139	39141	39142	39144	39147	39152	39142	39144	39132	39124	39128	39133	39137	39145
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10D	39147	39153	39158	39158	39151	39145	39121	39114	39114	39110	39123	39122	39125	39124	39123	39122	39127	39127	39126	39127	39124	39124	39125	39129	39130
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23	MAINTENANCE GLOBALINDO										39143	39143	39142	39142	39142	39141	39141	39140	39140	39139	39139	39139	39139	39139	39140
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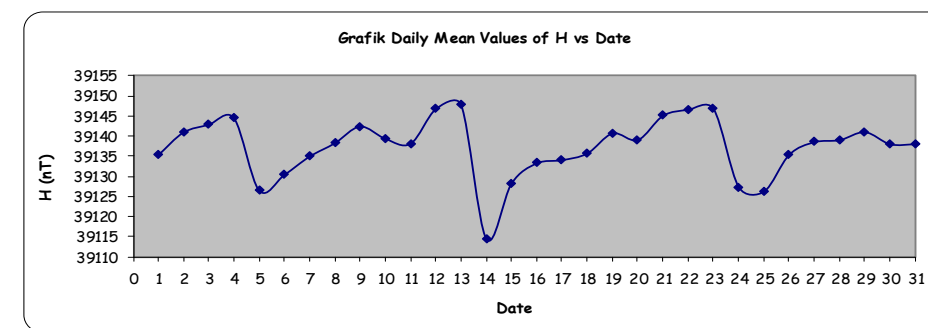
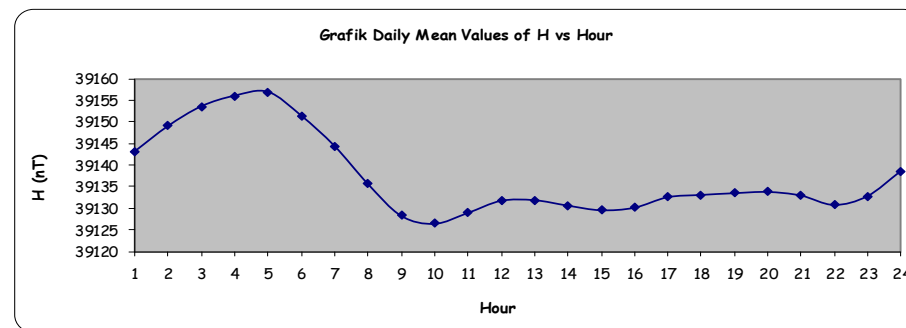


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

July-20

DATE	HOUR																							MEAN					
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8Q	39143	39148	39154	39154	39156		39155	39145	39134	39125	39124	39127	39131	39133	39133	39132	39135	39137	39136	39136	39137	39136	39134	39134	39142	39138			
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24D	39163	39169		39178	39186	39187		39163	39136	39111	39098	39090	39101	39115		39122	39113	39107	39094	39123	39109	39112	39113	39119	39113	39116	39120	39127	
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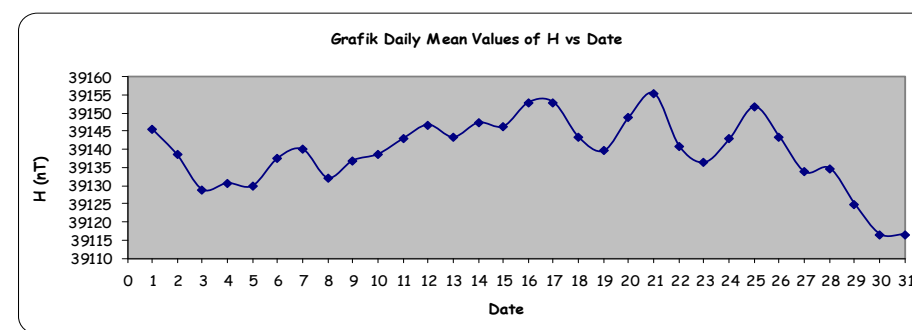
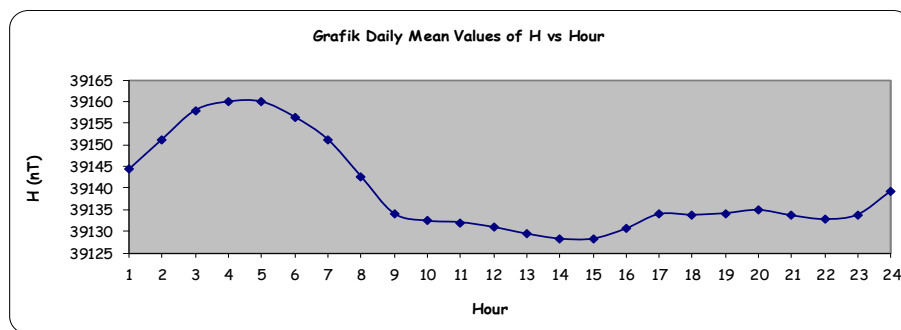


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

August-20

DATE	HOUR																							MEAN	
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2D	39160	39167	39172	39174	39169	39167	39164	39150	39151	39155	39153	39134	39112	39092	39093	39092	39105	39126	39129	39131	39133	39123	39129	39142	39138
3D	39148	39158	39163	39140	39144	39145	39136	39132	39108	39099	39113	39122	39123	39119	39113	39121	39139	39125	39121	39123	39124	39125	39123	39127	39129
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Q	39143	39149	39156	39163	39164	39161	39154	39145	39136	39133	39133	39133	39134	39134	39132	39134	39136	39138	39138	39138	39137	39135	39139	39145	39142
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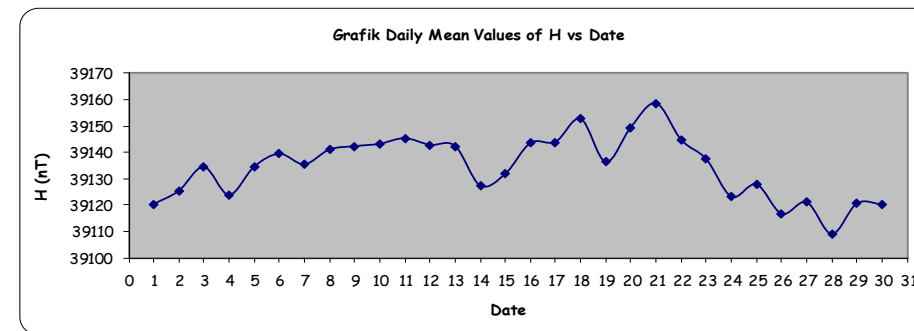
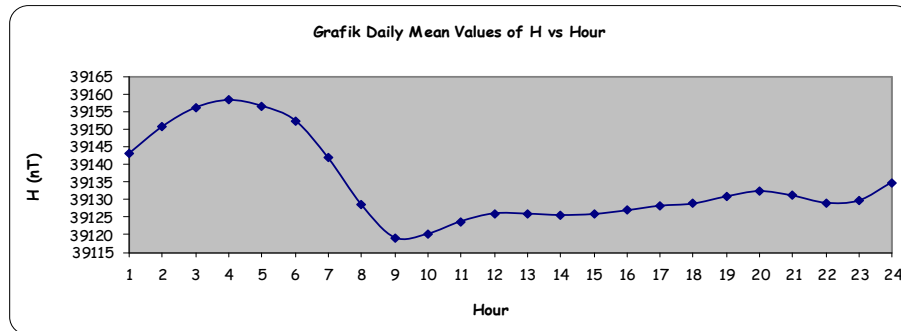


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

September-20

DATE	HOUR																							MEAN	
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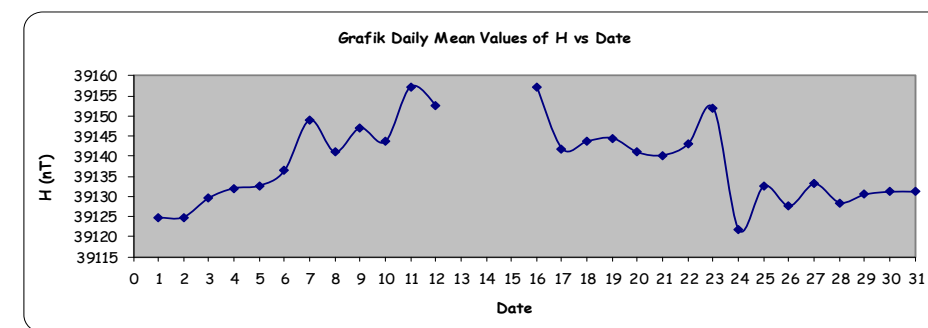
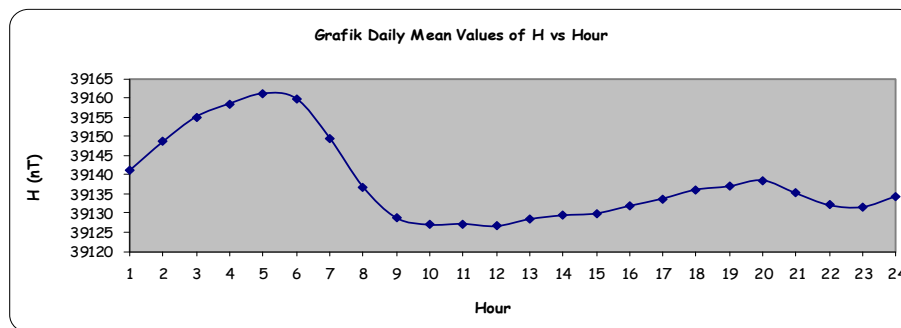


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

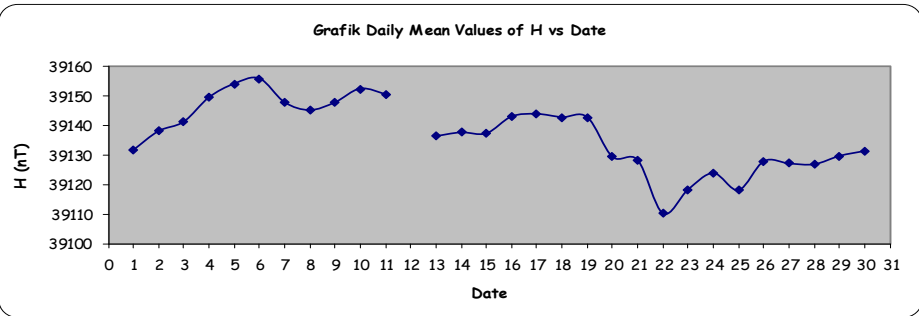
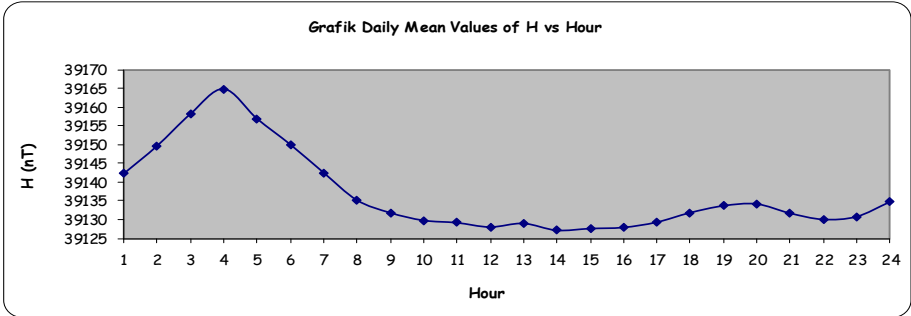
TANGERANG MAGNETIC OBSERVATORY

October-20

DATE	HOUR																							MEAN		
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14																										
15																										
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TANGERANG MAGNETIC OBSERVATORY																								November-20	
HORIZONTAL (H) COMPONENT																									
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT																									
DATE	HOUR																							MEAN	
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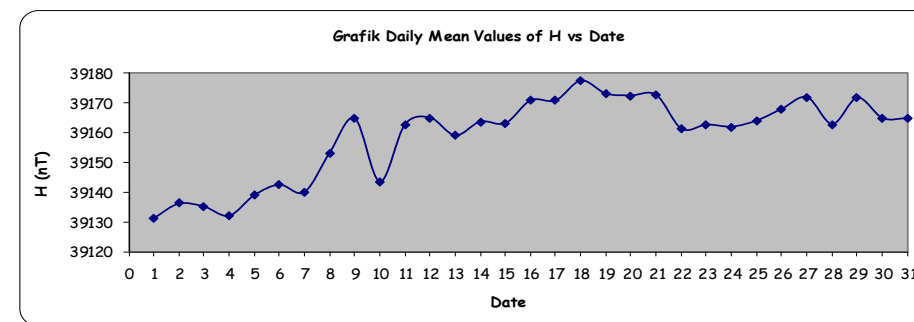
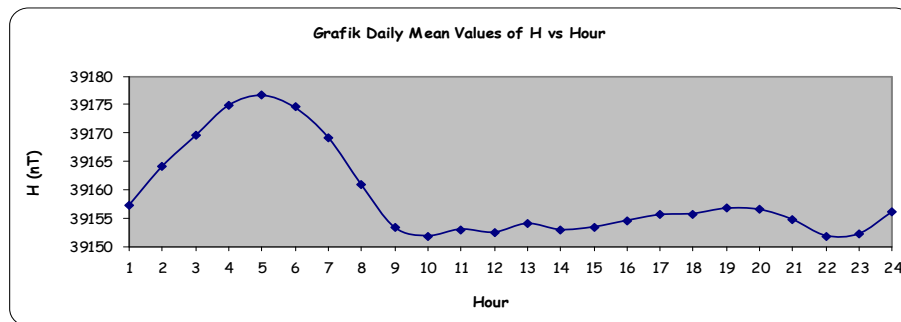


HORIZONTAL (H) COMPONENT  
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

December-20

DATE	HOUR																							MEAN		
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31Q	39166	39167	39173	39178	39178	39175	39167	39160	39152	39151	39156	39160	39163	39162	39163	39165	39165	39167	39165	39165	39162	39162	39164	39169	39165	
Mean	39157	39164	39170	39175	39177	39175	39169	39161	39153	39152	39153	39152	39154	39153	39153	39154	39156	39156	39157	39156	39155	39152	39152	39156	39159	
Q	39151	39156	39161	39167	39167	39165	39160	39156	39151	39149	39151	39152	39155	39155	39157	39158	39158	39156	39159	39160	39155	39151	39152	39156	39157	
D	39156	39161	39169	39176	39178	39177	39172	39164	39153	39149	39153	39151	39154	39150	39148	39152	39153	39153	39155	39154	39156	39153	39154	39158	39158	

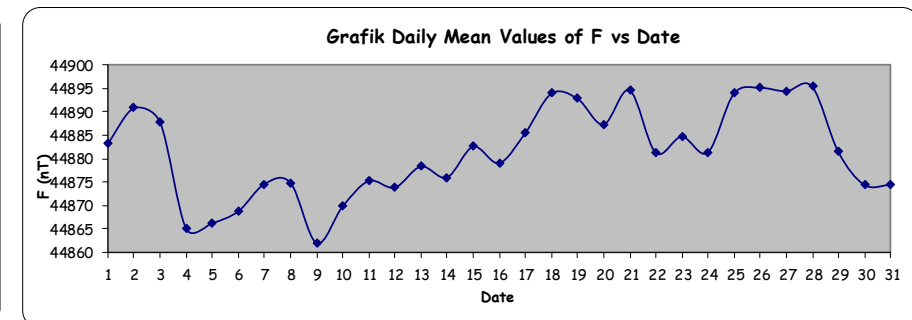
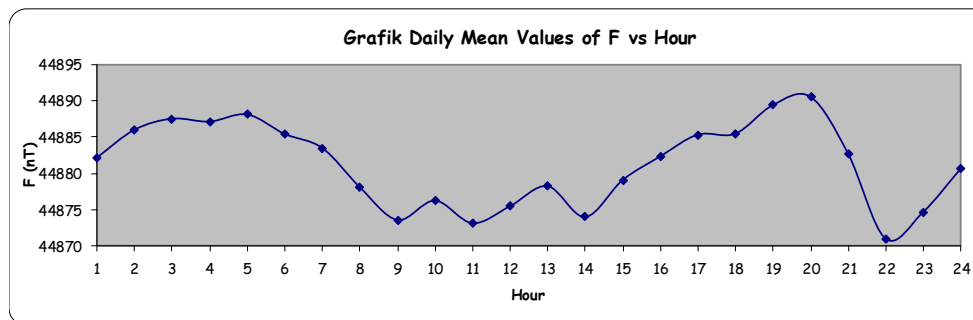


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

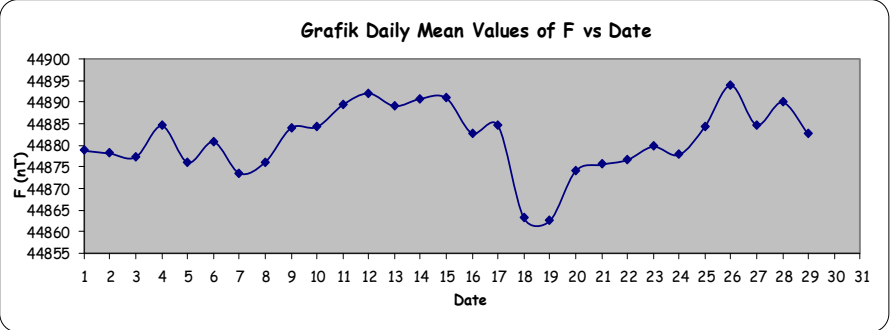
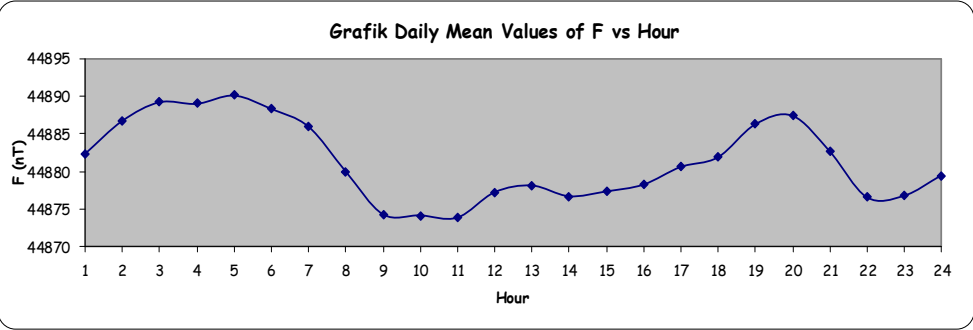
January-20

DATE	HOUR																							MEAN	
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2	44894	44886	44888	44897	44899	44892	44895	44893	44895	44891	44888	44890	44891	44885	44886	44885	44894	44895	44895	44895	44882	44873	44890	44903	44891
3D	44909	44908	44905	44892	44890	44906	44898	44891	44887	44879	44882	44887	44882	44879	44879	44883	44885	44889	44890	44891	44885	44851	44874	44884	44888
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9D	44858	44866	44873	44868	44877	44874	44865	44853	44839	44845	44836	44851	44851	44854	44864	44879	44878	44868	44877	44878	44861	44850	44854	44865	44862
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16D	44882	44891	44894	44887	44888	44880	44884	44878	44877	44878	44866	44866	44870	44865	44875	44881	44887	44883	44889	44890	44878	44863	44870	44877	44879
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20Q	44895	44893	44889	44886	44885	44886	44883	44877	44877	44882	44883	44887	44888	44889	44888	44888	44891	44890	44894	44894	44893	44884	44884	44890	44887
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23Q	44885	44889	44892	44894	44897	44894	44894	44891	44885	44882	44878	44878	44881	44880	44880	44882	44883	44883	44884	44885	44887	44879	44872	44877	44885
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Q	44884	44888	44890	44887	44888	44887	44880	44872	44871	44877	44872	44875	44878	44874	44879	44883	44886	44883	44888	44889	44881	44872	44871	44876	44880
D	44878	44881	44881	44875	44877	44877	44875	44871	44867	44870	44864	44868	44869	44865	44872	44882	44884	44884	44887	44886	44871	44852	44861	44871	44874

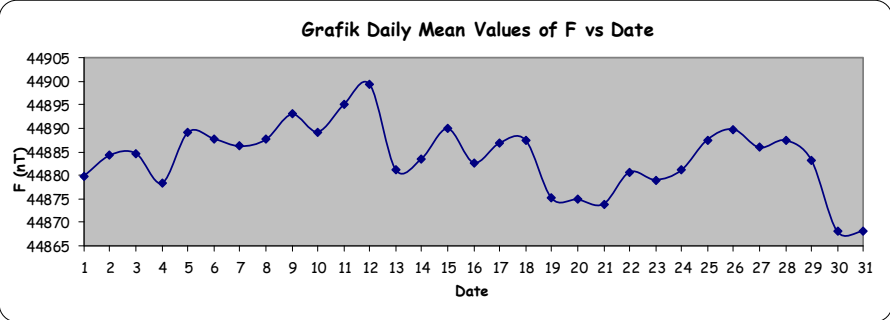
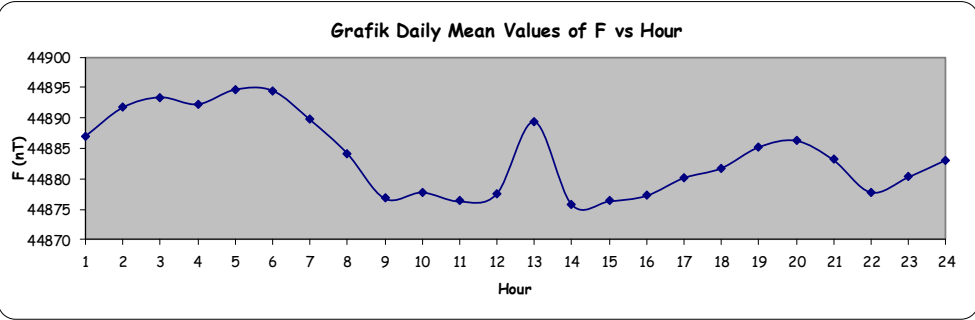




TANGERANG MAGNETIC OBSERVATORY																								February-20	
DATE	HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																							MEAN	
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2	44872	44873	44876	44877	44879	44877	44879	44882	44878	44877	44874	44878	44879	44880	44882	44883	44881	44888	44885	44877	44874	44873	44874	44874	44878
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6D	44881	44883	44888	44886	44888	44891	44878	44874	44877	44884	44884	44877	44876	44872	44869	44873	44880	44883	44886	44885	44888	44878	44878	44881	44881
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18D	44886	44895	44899	44903	44898	44889	44879	44867	44861	44857	44851	44852	44846	44848	44840	44824	44832	44835	44856	44856	44859	44855	44861	44870	44863
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21D	44875	44888	44891	44890	44892	44884	44879	44871	44857	44857	44863	44869	44873	44872	44876	44875	44875	44883	44879	44881	44873	44868	44869	44874	44876
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23	44878	44885	44885	44884	44889	44888	44887	44879	44869	44867	44872	44879	44880	44877	44877	44880	44881	44883	44888	44887	44877	44874	44872	44876	44880
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Mean	44882	44887	44889	44889	44890	44888	44886	44880	44874	44874	44874	44877	44878	44877	44877	44878	44881	44882	44886	44887	44883	44877	44877	44879	44881
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TANGERANG MAGNETIC OBSERVATORY																									March-20
DATE	TOTAL INTENSITY HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																							MEAN	
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14Q	44884	44887	44890	44888	44891	44892	44888	44887	44882	44884	44882	44881	44880	44873	44876	44878	44881	44881	44886	44891	44883	44876	44881	44884	44884
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19D	44889	44892	44890	44887	44886	44883	44876	44872	44864	44871	44864	44873	44876	44868	44860	44866	44869	44873	44877	44878	44875	44869	44871	44874	44875
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21D	44875	44879	44883	44882	44883	44872	44855	44852	44862	44868	44872	44875	44872	44875	44869	44872	44875	44880	44884	44885	44882	44870	44871	44878	44874
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24Q	44883	44885	44890	44891	44890	44889	44882	44872	44870	44874	44878	44878	44879	44876	44879	44881	44884	44882	44885	44885	44879	44877	44876	44880	44881
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Mean	44887	44892	44893	44892	44895	44894	44890	44884	44877	44878	44876	44878	44889	44876	44876	44877	44880	44882	44885	44886	44883	44878	44880	44883	44884
Q	44887	44892	44898	44899	44901	44900	44895	44888	44882	44881	44881	44882	44882	44880	44881	44883	44885	44885	44888	44889	44885	44878	44880	44883	44887
D	44884	44889	44889	44886	44887	44883	44875	44870	44867	44870	44869	44875	44876	44874	44870	44870	44875	44877	44880	44882	44877	44872	44875	44879	44877



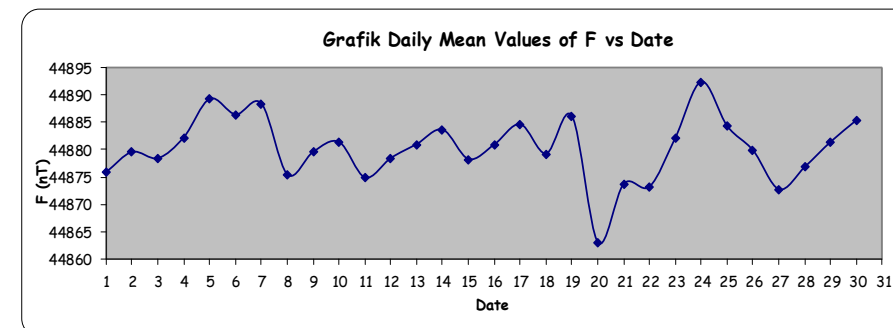
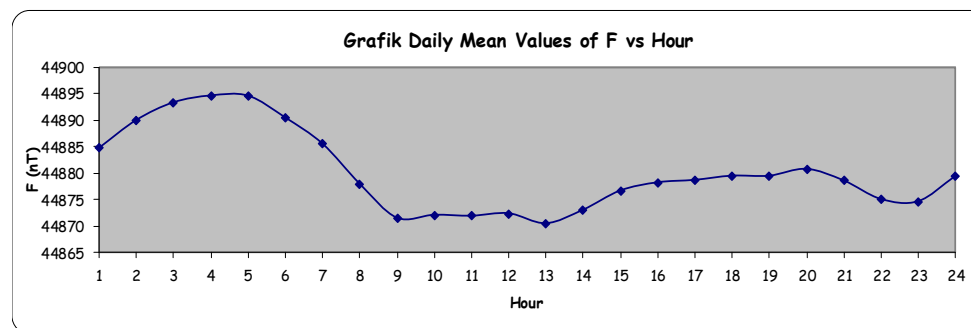


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

April-20

DATE	HOUR																							MEAN		
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2	44881	44891	44895	44895	44886	44886	44884	44873	44868	44875	44874	44874	44875	44872	44876	44878	44879	44880	44883	44886	44882	44872	44873	44870	44880	44880
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4	44887	44895	44895	44896	44896	44895	44889	44881	44876	44873	44874	44877	44879	44876	44877	44877	44879	44880	44880	44884	44880	44872	44875	44881	44882	44882
5	44890	44900	44905	44904	44910	44911	44908	44902	44893	44890	44884	44882	44879	44877	44878	44880	44881	44879	44882	44884	44878	44878	44882	44885	44888	44888
6Q	44891	44895	44898	44904	44908	44907	44903	44893	44882	44882	44877	44875	44875	44873	44873	44875	44881	44881	44886	44888	44888	44877	44879	44883	44886	44886
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8D	44895	44905	44912	44907	44893	44888	44884	44866	44857	44856	44854	44862	44864	44869	44858	44867	44870	44867	44868	44876	44873	44866	44875	44876	44875	44875
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12D	44882	44887	44892	44894	44896	44889	44883	44874	44868	44871	44873	44872	44868	44874	44882	44878	44878	44876	44881	44882	44877	44870	44864	44872	44878	44878
13	44882	44890	44897	44900	44896	44888	44877	44872	44866	44864	44868	44870	44872	44877	44878	44885	44885	44881	44880	44882	44883	44885	44880	44887	44881	44881
14	44893	44901	44904	44899	44903	44895	44891	44879	44868	44865	44867	44872	44874	44874	44879	44884	44885	44885	44885	44886	44885	44878	44875	44880	44884	44884
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17	44880	44884	44889	44895	44901	44899	44894	44884	44874	44873	44873	44874	44876	44879	44883	44883	44885	44888	44887	44886	44884	44883	44886	44891	44885	44885
18	44891	44893	44887	44882	44881	44880	44876	44870	44862	44870	44877	44877	44873	44874	44878	44877	44879	44880	44882	44884	44884	44879	44878	44886	44879	44879
19Q	44892	44896	44898	44898	44899	44897	44890	44881	44878	44882	44884	44884	44879	44879	44886	44886	44884	44884	44882	44883	44883	44881	44878	44885	44886	44886
20D	44888	44894	44905	44910	44904	44906	44907	44903	44879	44844	44810	44803	44792	44805	44834	44850	44848	44852	44856	44860	44862	44863	44864	44872	44863	44863
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24	44896	44903	44907	44912	44910	44900	44890	44885	44882	44883	44882	44883	44882	44886	44885										44892	44892
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Mean	44885	44890	44893	44895	44894	44890	44885	44878	44872	44872	44872	44872	44870	44873	44877	44878	44879	44879	44879	44881	44879	44875	44875	44879	44880	44880
Q	44889	44894	44898	44901	44901	44896	44890	44879	44873	44876	44877	44877	44874	44876	44883	44885	44886	44885	44886	44886	44883	44879	44878	44883	44885	44885
D	44886	44893	44900	44903	44900	44896	44891	44882	44870	44862	44853	44849	44841	44851	44859	44864	44865	44867	44868	44871	44869	44864	44867	44872	44873	44873

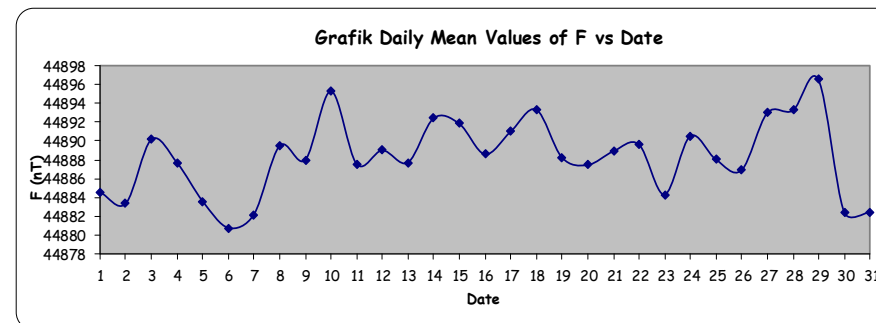
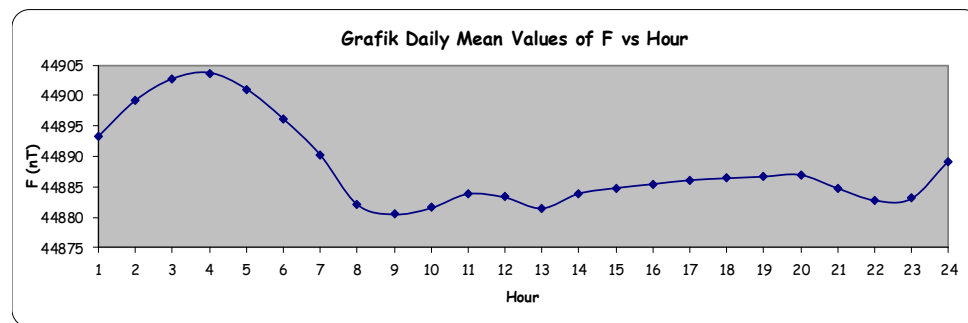


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

May-20

DATE	HOUR																							MEAN	
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2	44890	44896	44899	44898	44895	44890	44884	44881	44872	44874	44878	44874	44867	44872	44877	44879	44882	44883	44884	44885	44883	44883	44883	44891	44883
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5D	44893	44898	44901	44896	44892	44886	44883	44877	44870	44873	44880	44884	44886	44890	44886	44883	44882	44883	44880	44879	44873	44872	44874	44883	44884
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19	44906	44911	44913	44915	44911	44903	44889	44879	44871	44877	44883	44876	44876	44877	44880	44883	44884	44884	44884	44886	44883	44880	44879	44888	44888
20Q	44892	44896	44896	44898	44895	44890	44885	44883	44882	44885	44886	44881	44880	44885	44885	44886	44884	44885	44886	44887	44887	44884	44885	44893	44887
21	44902	44909	44912	44910	44907	44899	44888	44880	44877	44879	44881	44880	44878	44877	44880	44885	44886	44886	44885	44888	44887	44883	44884	44891	44889
22	44900	44907	44913	44911	44907	44902	44894	44887	44882	44883	44885	44884	44883	44889	44889	44885	44881	44880	44882	44882	44879	44880	44878	44886	44890
23	44889	44893	44894	44893	44893	44887	44885	44883	44877	44879	44879	44879	44878	44881	44883	44882	44883	44884	44885	44885	44883	44880	44881	44886	44884
24D	44893	44901	44902	44902	44902	44902	44902	44894	44886	44889	44893	44895	44893	44892	44891	44886	44889	44883	44880	44880	44877	44876	44879	44887	44891
25	44891	44897	44900	44907	44902	44894	44883	44878	44876	44880	44882	44881	44883	44885	44887	44889	44890	44890	44890	44888	44885	44880	44885	44891	44888
26	44891	44898	44900	44902	44893	44890	44889	44885	44881	44880	44881	44882	44881	44885	44885	44887	44887	44887	44887	44886	44886	44881	44878	44881	44888
27	44896	44901	44903	44904	44903	44902	44900	44893	44888	44888	44889	44887	44886	44889	44890	44890	44890	44894	44892	44890	44887	44886	44890	44894	44893
28	44898	44905	44914	44914	44910	44904	44899	44895	44889	44889	44890	44889	44885	44886	44884	44885	44887	44889	44890	44890	44887	44885	44887	44890	44893
29Q	44900	44912	44916	44915	44913	44906	44899	44895	44893	44891	44891	44891	44888	44888	44889	44889	44890	44891	44891	44891	44890	44891	44894	44902	44897
30D	44883	44890	44892	44894	44894	44891	44887	44885	44882	44880	44882	44880	44876	44875	44873	44877	44879	44879	44880	44881	44878	44878	44880	44883	44882
31	44883	44890	44892	44894	44894	44891	44887	44885	44882	44880	44882	44880	44876	44875	44873	44877	44879	44879	44880	44881	44878	44878	44880	44883	44882
Mean	44893	44899	44903	44904	44901	44896	44890	44882	44881	44882	44884	44883	44882	44884	44885	44885	44886	44886	44887	44887	44885	44883	44883	44889	44888
Q	44894	44901	44904	44905	44903	44898	44892	44883	44885	44886	44887	44886	44884	44887	44888	44889	44889	44889	44889	44890	44888	44887	44888	44894	44891
D	44889	44896	44898	44898	44898	44895	44892	44884	44876	44878	44884	44885	44882	44883	44881	44881	44883	44882	44881	44881	44878	44877	44879	44885	44885

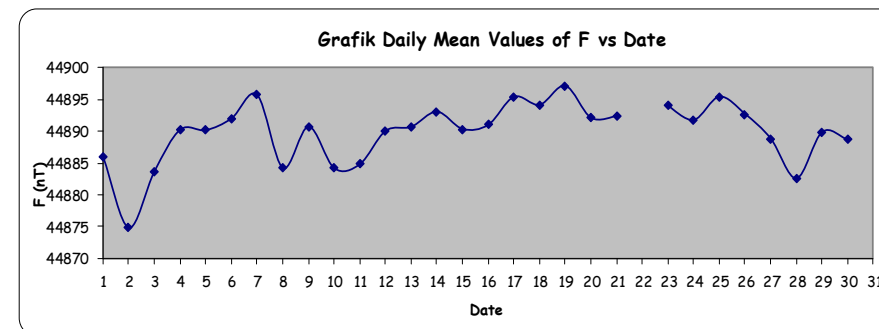
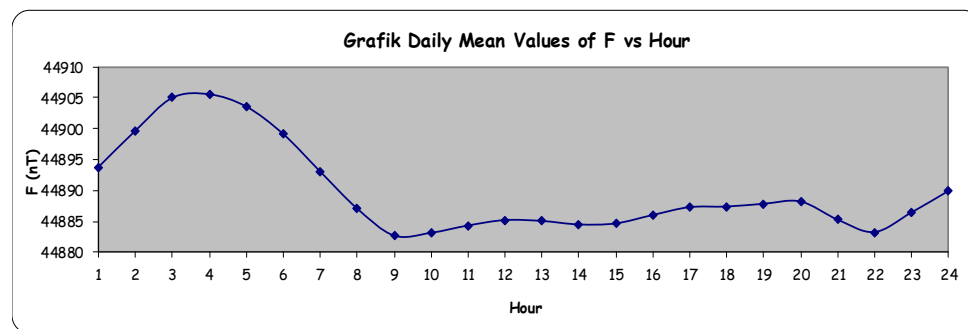


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

June-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
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4	44890	44898	44903	44902	44902	44896	44888	44886	44888	44890	44892	44890	44886	44889	44889	44888	44884	44886	44886	44886	44883	44885	44888	44888	44890
5	44894	44902	44907	44910	44910	44908	44900	44891	44886	44885	44885	44887	44886	44881	44883	44881	44882	44883	44885	44887	44882	44881	44883	44886	44890
6	44890	44896	44903	44903	44905	44904	44899	44895	44892	44890	44888	44886	44886	44888	44891	44890	44888	44888	44888	44889	44886	44886	44889	44891	44892
7D	44896	44906	44916	44916	44912	44904	44895	44888	44888	44889	44893	44894	44895	44893	44895	44898	44902	44895	44897	44888	44880	44882	44887	44889	44896
8	44895	44898	44900	44898	44892	44887	44883	44879	44875	44873	44876	44878	44879	44881	44881	44883	44884	44885	44884	44883	44877	44879	44885	44884	44884
9	44894	44900	44903	44902	44900	44894	44891	44890	44886	44886	44887	44888	44888	44886	44887	44889	44892	44893	44892	44888	44885	44880	44885	44892	44891
10D	44897	44902	44906	44905	44898	44893	44875	44871	44871	44870	44880	44879	44881	44880	44878	44879	44884	44884	44883	44883	44879	44878	44880	44883	44884
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12	44892	44899	44906	44909	44905	44900	44892	44885	44881	44881	44884	44885	44885	44885	44885	44887	44889	44888	44888	44889	44886	44884	44886	44888	44890
13Q	44891	44896	44901	44903	44903	44899	44892	44887	44881	44882	44886	44889	44888	44885	44886	44886	44888	44888	44890	44891	44888	44887	44891	44896	44891
14Q	44902	44905	44906	44904	44903	44896	44894	44887	44879	44879	44885	44889	44889	44887	44887	44887	44890	44893	44895	44896	44894	44892	44895	44898	44893
15	44899	44903	44908	44912	44909	44899	44890	44881	44876	44882	44884	44886	44885	44885	44885	44885	44886	44886	44886	44888	44886	44886	44889	44893	44890
16	44898	44906	44912	44913	44910	44904	44894	44888	44883	44885	44883	44884	44883	44882	44880	44881	44881	44884	44885	44888	44887	44886	44891	44894	44891
17	44900	44906	44918	44917	44917	44917	44909	44899	44888	44887	44891	44894	44889	44883	44883	44883	44886	44887	44887	44889	44889	44886	44891	44893	44895
18	44900	44906	44913	44915	44912	44899	44900	44898	44892	44893	44888	44886	44881	44877	44882	44888	44890	44891	44891	44892	44888	44888	44893	44899	44894
19	44903	44911	44914	44912	44912	44910	44906	44901	44898	44893	44893	44892	44891	44890	44891	44891	44892	44892	44892	44894	44891	44884	44888	44891	44897
20	44895	44904	44917	44918	44917	44907	44889	44884	44875	44876	44884	44887	44888	44886	44886	44887	44888	44888	44888	44889	44891	44887	44885	44889	44894
21	44896	44901	44903	44904	44906	44903	44899	44895	44889	44890	44892	44891	44888	44889	44889	44889	44888	44888	44888	44887	44884	44883	44886	44891	44892
22	MAINTENANCE INSKAL																								
23	MAINTENANCE GLOBALINDO									44897	44896	44896	44896	44895	44894	44894	44894	44893	44893	44893	44893	44892	44892	44892	44894
24	44895	44903	44906	44905	44903	44898	44891	44886	44882	44885	44885	44888	44891	44890	44887	44891	44891	44891	44890	44890	44888	44884	44889	44893	44892
25Q	44897	44905	44913	44916	44913	44909	44899	44893	44889	44890	44891	44893	44892	44891	44891	44890	44891	44890	44890	44891	44887	44885	44890	44892	44895
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27D	44884	44891	44898	44900	44904	44906	44910	44901	44893	44885	44876	44876	44884	44885	44879	44883	44886	44886	44887	44887	44884	44879	44883	44885	44889
28Q	44886	44887	44889	44889	44884	44884	44882	44878	44875	44878	44878	44879	44880	44879	44881	44883	44883	44884	44885	44886	44884	44880	44882	44885	44883
29	44892	44900	44903	44900	44899	44899	44894	44887	44883	44883	44882	44885	44888	44885	44884	44888	44890	44889	44889	44890	44887	44885	44887	44890	44890
30	44893	44896	44906	44910	44902	44893	44889	44884	44882	44882	44881	44884	44885	44883	44884	44884	44886	44886	44888	44889	44885	44882	44883	44888	44889
Mean	44894	44900	44905	44906	44904	44899	44893	44887	44883	44883	44884	44885	44885	44884	44885	44886	44887	44887	44888	44888	44885	44883	44886	44890	44890
Q	44894	44898	44902	44903	44901	44897	44892	44887	44881	44882	44885	44888	44887	44886	44886	44887	44888	44889	44890	44891	44888	44886	44890	44893	44890
D	44891	44897	44904	44903	44900	44896	44889	44882	44879	44875	44877	44878	44880	44880	44879	44882	44886	44885	44885	44884	44880	44879	44883	44885	44886

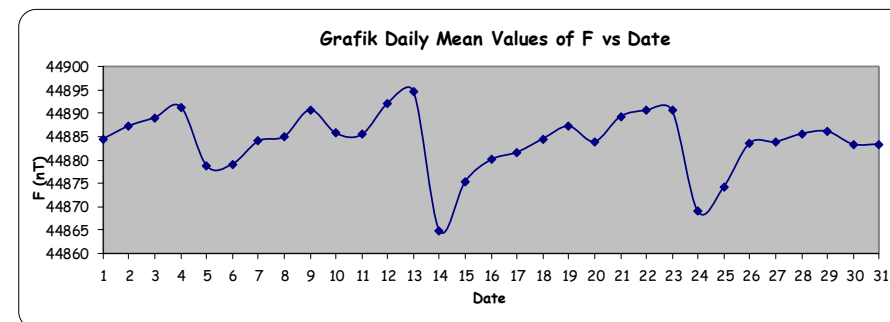
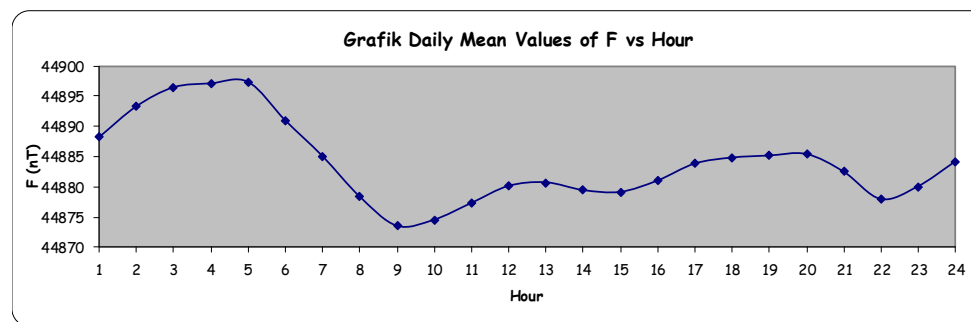


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

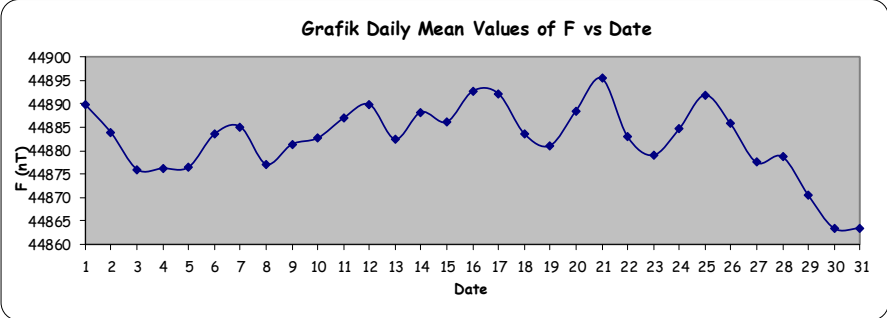
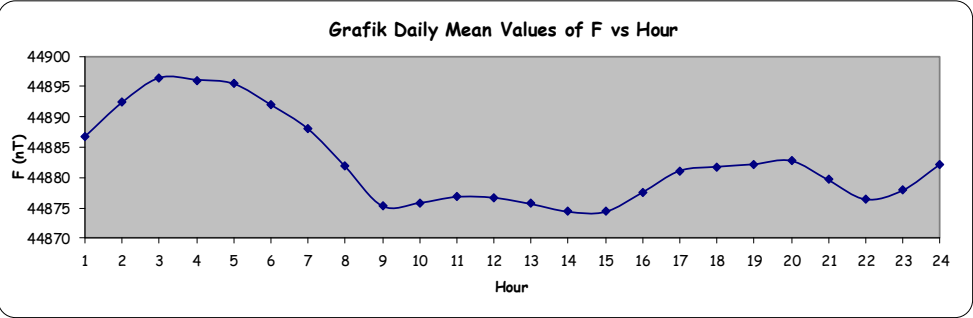
## TANGERANG MAGNETIC OBSERVATORY

July-20

DATE	HOUR																							MEAN		
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2				44892	44892	44891	44892	44891	44881	44879	44881	44883	44886	44885	44883	44882	44887	44890	44892	44891	44892	44888	44885	44887	44890	44887
3	44895	44900	44900	44894	44893	44890	44888	44890	44889	44884	44885	44887	44888	44887	44887	44887	44888	44888	44890	44890	44886	44883	44885	44887	44889	
4	44891	44894	44899	44900	44898	44898	44895	44878	44876	44884	44890	44892	44893	44892	44895	44898	44899	44900	44895	44887	44879	44881	44882	44882	44891	
5D	44881	44886	44890	44898	44903	44890	44888	44877	44863	44870	44865	44871	44872	44871	44870	44875	44876	44877	44875	44877	44879	44880	44881	44879	44879	
6	44883	44886	44889	44891	44888	44884	44880	44872	44867	44869	44872	44876	44880	44877	44876	44877	44879	44879	44879	44879	44880	44880	44877	44878	44882	44879
7	44889	44895	44899	44901	44900	44894	44886	44881	44876	44875	44878	44879	44877	44876	44877	44879	44882	44883	44884	44883	44880	44877	44881	44885	44884	
8Q	44889	44893	44898	44897	44894	44887	44880	44874	44870	44872	44876	44881	44882	44883	44882	44886	44889	44889	44889	44889	44887	44884	44883	44888	44885	
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13	44904	44912	44919	44917	44915	44910	44914	44908	44897	44888	44883	44880	44883	44881	44882	44886	44890	44891	44893	44894	44890	44879	44879	44877	44895	
14D	44876	44881	44873	44867	44874	44862	44848	44841	44851	44857	44857	44859	44859	44857	44859	44863	44873	44875	44876	44879	44872	44863	44866	44867	44865	
15	44872	44881	44884	44884	44885	44879	44869	44868	44868	44872	44875	44877	44878	44876	44871	44870	44875	44879	44879	44879	44874	44868	44871	44876	44875	
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20Q	44889	44892	44893	44891	44890	44877	44877	44876	44869	44874	44877	44884	44885	44884	44882	44885	44888	44890	44890	44890	44885	44879	44881	44888	44884	
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24D	44902	44910	44917	44921	44922	44877	44850	44834	44825	44826	44836	44851	44867	44864	44860	44853	44875	44866	44867	44867	44869	44862	44864	44866	44869	
25D	44867	44876	44878	44875	44874	44869	44869	44864	44856	44861	44870	44872	44875	44877	44876	44879	44880	44881	44880	44881	44877	44873	44876	44891	44874	
26Q	44894	44898	44901	44899	44899	44894	44889	44882	44876	44872	44873	44877	44877	44877	44876	44876	44879	44881	44882	44882	44880	44877	44880	44885	44884	
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Mean	44888	44893	44896	44897	44897	44891	44885	44878	44874	44875	44877	44880	44881	44879	44879	44881	44884	44885	44885	44885	44882	44878	44880	44884	44884	
Q	44889	44893	44896	44896	44895	44888	44883	44879	44874	44875	44877	44882	44882	44882	44881	44883	44886	44887	44887	44887	44884	44878	44880	44885	44885	
D	44882	44888	44890	44890	44893	44875	44864	44854	44849	44853	44857	44863	44868	44867	44866	44868	44876	44875	44875	44875	44874	44869	44872	44876	44872	



TANGERANG MAGNETIC OBSERVATORY																									August-20
TOTAL INTENSITY																									
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																									
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
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2D	44902	44907	44908	44907	44902	44900	44899	44890	44891	44896	44897	44885	44869	44853	44853	44851	44860	44875	44877	44879	44879	44870	44875	44885	44884
3D	44891	44898	44901	44884	44888	44887	44880	44875	44858	44854	44865	44870	44871	44868	44865	44871	44885	44876	44873	44874	44874	44872	44871	44875	44876
4	44882	44887	44884	44878	44880	44877	44877	44872	44871	44872	44873	44873	44874	44870	44871	44876	44879	44880	44880	44878	44876	44873	44873	44872	44876
5	44875	44878	44877	44881	44882	44878	44875	44873	44869	44869	44871	44874	44876	44874	44877	44879	44881	44881	44882	44879	44878	44874	44874	44879	44877
6	44886	44896	44903	44906	44905	44905	44900	44890	44881	44878	44877	44878	44874	44869	44873	44875	44877	44878	44879	44878	44875	44871	44873	44877	44884
7	44884	44890	44895	44900	44900	44894	44910	44903	44872	44873	44878	44880	44881	44880	44878	44882	44884	44885	44883	44883	44882	44873	44875	44880	44885
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9Q	44884	44888	44891	44894	44895	44892	44886	44882	44877	44875	44876	44875	44875	44875	44872	44878	44879	44882	44882	44884	44879	44874	44877	44882	44881
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29D	44873	44873	44877	44880	44881	44875	44860	44852	44856	44850	44859	44863	44864	44866	44867	44871	44873	44878	44877	44883	44879	44874	44875	44886	44871
30D	44870	44874	44879	44866	44861	44864	44868	44864	44857	44863	44858	44847	44844	44854	44853	44860	44867	44865	44866	44868	44865	44867	44868	44875	44863
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Mean	44887	44892	44896	44896	44895	44892	44888	44882	44875	44876	44877	44877	44876	44874	44874	44878	44881	44882	44882	44883	44880	44876	44878	44882	44882
Q	44886	44892	44895	44899	44899	44897	44892	44886	44879	44878	44879	44880	44881	44879	44878	44881	44883	44886	44886	44886	44883	44880	44883	44888	44886
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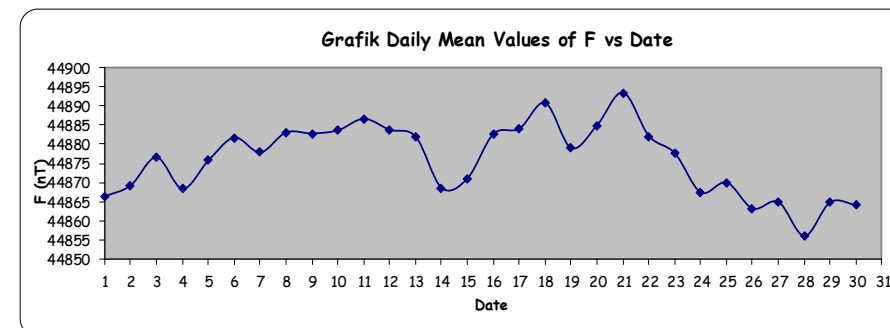
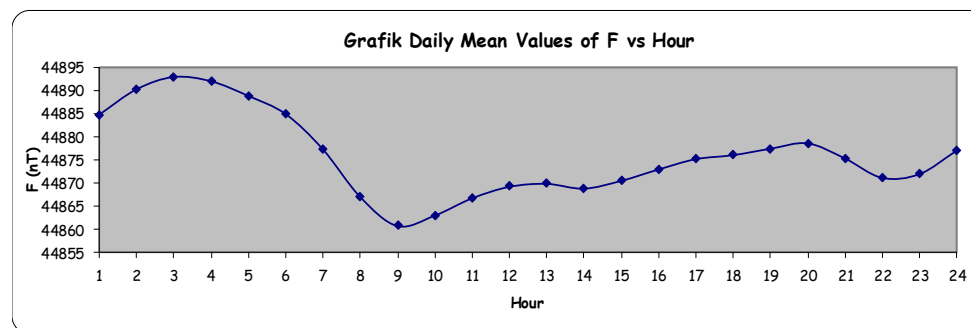


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

September-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	44883	44892	44901	44889	44876	44869	44861	44851	44844	44850	44859	44865	44860	44856	44864	44860	44860	44860	44872	44865	44863	44859	44862	44871	44866
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3	44882	44887	44892	44893	44890	44885	44878	44865	44857	44861	44867	44872	44875	44875	44872	44874	44877	44880	44881	44881	44875	44870	44873	44879	44877
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5	44885	44887	44890	44892	44886	44882	44878	44869	44860	44858	44862	44864	44872	44874	44872	44875	44876	44878	44877	44879	44875	44872	44875	44881	44876
6	44887	44892	44900	44905	44907	44901	44892	44880	44871	44869	44870	44873	44874	44876	44874	44877	44880	44880	44880	44879	44876	44871	44871	44876	44882
7	44887	44896	44902	44905	44904	44897	44887	44866	44864	44863	44865	44865	44866	44867	44866	44870	44871	44874	44876	44878	44874	44871	44873	44881	44878
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9Q	44893	44898	44897	44897	44898	44893	44886	44872	44863	44866	44873	44878	44881	44879	44878	44879	44884	44885	44885	44885	44882	44876	44877	44881	44883
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11Q	44899	44908	44910	44910	44911	44908	44896	44883	44876	44876	44877	44877	44878	44877	44875	44879	44883	44883	44884	44884	44879	44875	44875	44878	44887
12	44886	44892	44896	44901	44904	44899	44895	44887	44872	44871	44878	44880	44880	44878	44878	44876	44879	44881	44882	44881	44878	44877	44878	44880	44884
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14	44898	44895	44887	44877	44864	44864	44864	44846	44853	44858	44860	44857	44856	44855	44860	44865	44874	44876	44878	44879	44874	44869	44869	44868	44869
15	44875	44884	44886	44884	44880	44878	44871	44866	44856	44854	44847	44856	44861	44857	44865	44871	44874	44877	44879	44881	44880	44877	44874	44874	44871
16Q	44884	44888	44892	44896	44890	44886	44883	44875	44870	44872	44876	44879	44880	44879	44877	44881	44883	44885	44887	44887	44886	44880	44881	44883	44883
17	44890	44886	44891	44898	44896	44892	44889	44886	44876	44876	44876	44876	44877	44876	44879	44882	44884	44885	44885	44886	44884	44879	44882	44887	44884
18	44893	44900	44902	44926	44900	44892	44891	44874	44878	44878	44881	44883	44882	44888	44888	44894	44893	44889	data lost						44891
19Q	data lost								44875	44876	44879	44879	44877	44873	44875	44879	44882	44882	44886	44885	44880	44878	44877	44878	44879
20	44887	44896	44899	44895	44893	44891	44888	44882	44875	44877	44881	44881	44878	44878	44885	44882	44884	44885	44884	44884	44883	44880	44881	44889	44885
21	44903	44912	44916	44912	44911	44904	44893	44881	44876	44882	44885	44888	44887	44881	44888	44890	44894	44895	44896	44896	44887	44886	44887	44892	44893
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24D	44881	44891	44905	44900	44898	44891	44883	44855	44822	44831	44851	44858	44855	44846	44860	44855	44859	44863	44867	44870	44870	44867	44867	44872	44867
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27D	44876	44882	44878	44865	44859	44858	44856	44853	44853	44860	44866	44866	44866	44864	44862	44863	44869	44862	44869	44880	44872	44863	44858	44857	44865
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30	44877	44878	44881	44873	44859	44852	44853	44843	44843	44852	44857	44862	44867	44864	44869	44871	44870	44867	44867	44870	44868	44861	44866	44869	44864
Mean	44885	44890	44893	44892	44889	44885	44877	44867	44861	44863	44867	44869	44870	44869	44871	44873	44875	44876	44877	44879	44875	44871	44872	44877	44876
Q	44892	44898	44900	44901	44900	44896	44888	44877	44871	44873	44876	44878	44879	44877	44876	44880	44883	44884	44886	44886	44882	44877	44877	44880	44883
D	44878	44884	44890	44881	44875	44871	44865	44852	44842	44850	44859	44862	44859	44855	44862	44860	44862	44862	44869	44871	44868	44863	44863	44866	44865





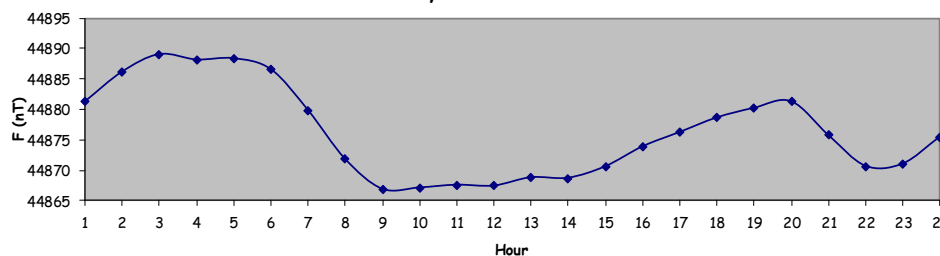
TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

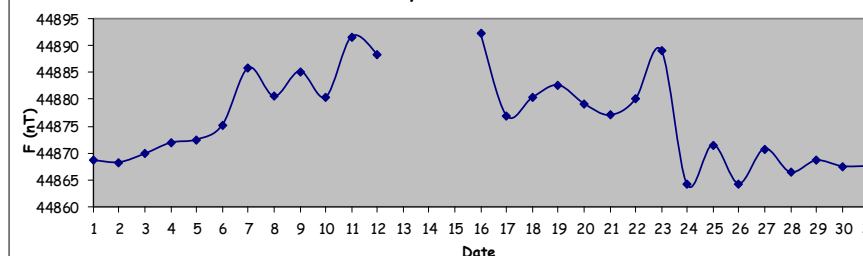
October-20

DATE	HOUR																							MEAN		
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1	44883	44892	44893	44894	44892	44882	44868	44859	44856	44857	44849	44840	44849	44859	44869	44865	44870	44868	44870	44872	44876	44869	44863	44864	44866	44869
2	44875	44883	44887	44887	44886	44884	44875	44865	44860	44861	44859	44857	44862	44858	44864	44865	44864	44864	44866	44865	44863	44861	44861	44864	44864	44868
3	44872	44879	44878	44881	44886	44883	44871	44861	44857	44856	44860	44861	44866	44864	44868	44869	44870	44872	44876	44876	44869	44865	44866	44870	44870	44870
4	44877	44885	44884	44877	44877	44878	44875	44868	44864	44866	44868	44866	44867	44867	44872	44875	44873	44875	44876	44875	44868	44862	44861	44868	44872	44872
5D	44876	44881	44885	44885	44884	44881	44874	44866	44867	44872	44875	44873	44869	44866	44871	44878	44868	44872	44866	44878	44872	44858	44863	44863	44872	44872
6	44869	44872	44871	44866	44866	44872	44871	44865	44863	44868	44871	44874	44875	44878	44879	44878	44881	44883	44885	44887	44883	44881	44882	44887	44875	44875
7	44892	44892	44896	44897	44898	44897	44890	44882	44880	44888	44887	44886	44888	44886	44882	44882	44884	44883	44883	44884	44879	44873	44873	44879	44886	44886
8Q	44889	44894	44896	44894	44891	44892	44883	44877	44873	44875	44877	44874	44876	44874	44873	44877	44879	44880	44883	44882	44880	44872	44869	44872	44881	44881
9Q	44879	44887	44892	44893	44897	44902	44894	44880	44874	44877	44881	44881	44882	44879	44886	44886	44887	44887	44888	44888	44881	44879	44882	44884	44885	44885
10Q	44888	44890	44888	44885	44884	44879	44876	44872	44868	44870	44874	44878	44875	44873	44878	44885	44887	44888	44890	44890	44879	44875	44875	44882	44880	44880
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13	DATA TIDAK TERSEDIA KARENA ADA KENDALA KONEKSI DIGITIZER DENGAN MINIP																									
14																										
15																										
16	44891	44896	44901	44901	44934	44960	44931	44918	44913	44897	44879	44876	44873	44872	44873	44876	44879	44882	44884	44884	44876	44871	44871	44878	44892	44892
17	44883	44885	44889	44888	44888	44880	44870	44861	44857	44861	44871	44870	44874	44870	44873	44876	44880	44883	44885	44888	44880	44877	44877	44880	44877	44877
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19	44880	44890	44897	44898	44901	44900	44899	44889	44880	44874	44871	44868	44865	44865	44874	44885	44885	44889	44886	44889	44876	44870	44871	44880	44883	44883
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21	44883	44888	44900	44905	44906	44904	44896	44871	44862	44864	44862	44864	44864	44862	44866	44867	44869	44873	44877	44879	44874	44870	44870	44873	44877	44877
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23	44888	44897	44900	44893	44891	44889	44883	44878	44877	44883	44885	44885	44886	44889	44895	44898	44900	44908	44897	44895	44887	44889	44873	44873	44889	44889
24D	44875	44875	44878	44872	44866	44861	44861	44854	44839	44850	44855	44862	44860	44859	44856	44869	44864	44869	44871	44871	44866	44864	44869	44872	44864	44864
25D	44874	44876	44884	44888	44886	44883	44879	44869	44859	44860	44865	44859	44857	44876	44858	44865	44863	44879	44876	44874	44877	44867	44868	44875	44872	44872
26D	44882	44885	44884	44881	44864	44853	44847	44855	44852	44845	44849	44852	44852	44855	44860	44861	44870	44871	44880	44877	44877	44864	44863	44865	44864	44864
27	44871	44881	44887	44883	44877	44874	44872	44862	44859	44856	44855	44859	44864	44866	44866	44871	44872	44873	44878	44879	44875	44871	44871	44875	44871	44871
28	44877	44881	44883	44878	44869	44861	44861	44862	44863	44864	44862	44858	44855	44859	44862	44863	44860	44865	44870	44880	44870	44859	44862	44869	44866	44866
29	44873	44880	44886	44888	44886	44879	44871	44869	44862	44853	44852	44855	44862	44863	44858	44858	44874	44867	44868	44870	44868	44866	44867	44869	44869	44869
30Q	44887	44892	44893	44890	44891	44886	44874	44857	44846	44841	44841	44839	44846	44844	44846	44855	44869	44872	44878	44879	44875	44870	44872	44876	44868	44868
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Mean	44881	44886	44889	44888	44888	44887	44880	44872	44867	44867	44868	44867	44869	44869	44871	44874	44876	44879	44880	44881	44876	44871	44871	44875	44876	44876
Q	44886	44891	44892	44891	44891	44890	44882	44872	44865	44866	44868	44868	44870	44867	44871	44876	44880	44882	44885	44885	44879	44874	44875	44879	44878	44878
D	44877	44879	44883	44881	44875	44870	44865	44861	44854	44857	44861	44861	44860	44864	44861	44868	44866	44873	44873	44875	44873	44863	44864	44869	44868	44868

Grafik Daily Mean Values of F vs Hour



Grafik Daily Mean Values of F vs Date

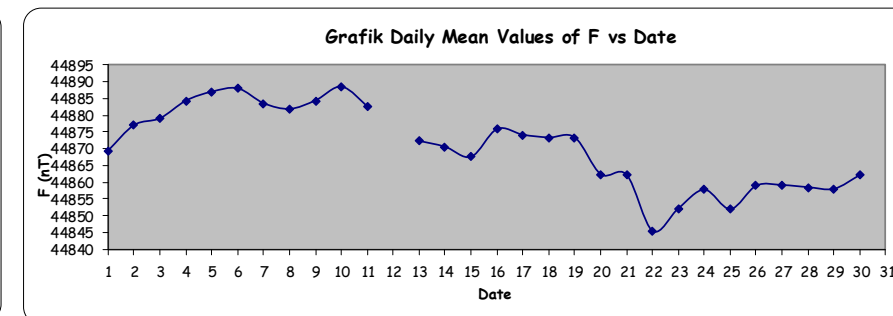
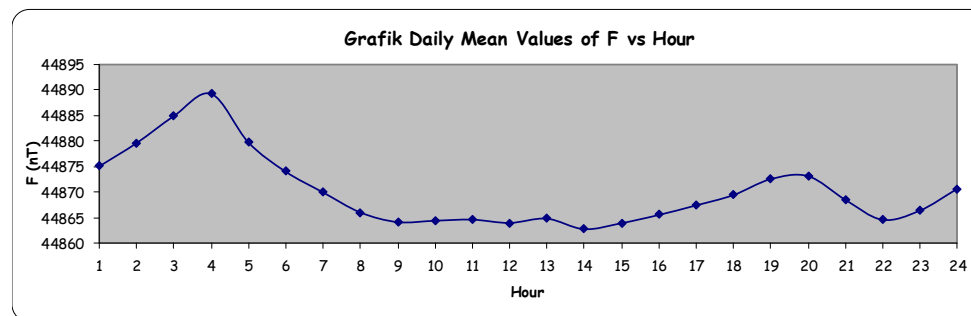


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

November-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	44882	44889	44893	44888	44880	44873	44862	44859	44852	44855	44864	44869	44872	44868	44867	44860	44861	44869	44869	44869	44863	44862	44866	44875	44869
2	data lost						44881	44879	44877	44877	44875	44876	44878	44875	44875	44877	44880	44880	44881	44880	44876	44872	44871	44875	44877
3	44880	44883	44887	44886	44884	44885	44881	44877	44874	44874	44876	44875	44876	44877	44876	44877	44880	44882	44883	44883	44878	44873	44875	44876	44879
4Q	44879	44885	44894	44896	44896	44892	44888	44881	44876	44877	44877	44878	44879	44878	44880	44884	44885	44889	44890	44891	44885	44879	44881	44883	44884
5	44878	44878	44878	44882	44890	44889	44887	44884	44880	44882	44883	44883	44885	44887	44887	44894	44898	44896	44896	44898	44890	44886	44885	44889	44887
6	44894	44901	44908	44914	44918	44905	44901	44890	44884	44881	44873	44878	44878	44879	44883	44877	44881	44877	44886	44888	44882	44874	44876	44882	44888
7	44886	44890	44896	44897	44898	44894	44889	44883	44877	44876	44877	44878	44879	44879	44881	44879	44880	44881	44887	44885	44879	44878	44874	44880	44883
8	44885	44888	44893	44894	44890	44886	44880	44874	44875	44875	44873	44873	44873	44875	44877	44879	44881	44886	44887	44888	44884	44881	44881	44885	44882
9Q	44889	44896	44903	44899	44892	44886	44883	44881	44879	44879	44881	44879	44880	44877	44880	44878	44880	44883	44886	44885	44880	44877	44881	44888	44884
10Q	44892	44898	44904	44902	44900	44891	44888	44885	44882	44883	44882	44883	44884	44883	44885	44887	44888	44889	44891	44890	44885	44880	44882	44886	44888
11	44889	44893	44898	44897	44895	44891	44889	44886	44873	44875	44875	44874	44874	44875	44877	44874	44874	44877	44882	data lost				44882	44882
12	data lost																								
13	44866	44865	44896	45053	44880	44873	44865	44825	44863	44860	44861	44860	44861	44859	44860	44862	44863	44867	44871	44871	44865	44860	44862	44866	44872
14	44870	44881	44888	44888	44883	44875	44868	44867	44866	44869	44870	44869	44868	44865	44864	44866	44868	44867	44870	44873	44866	44861	44863	44867	44871
15	44868	44872	44874	44871	44867	44867	44866	44866	44867	44868	44868	44867	44867	44865	44866	44863	44864	44865	44870	44871	44865	44863	44867	44875	44868
16Q	44882	44895	44902	44900	44894	44881	44873	44871	44868	44868	44867	44865	44865	44866	44867	44868	44869	44870	44874	44876	44877	44872	44874	44877	44876
17	44881	44888	44891	44888	44884	44879	44878	44873	44873	44871	44870	44871	44870	44867	44865	44870	44870	44870	44873	44874	44870	44867	44868	44869	44874
18	44874	44882	44891	44891	44887	44882	44876	44872	44868	44867	44866	44866	44866	44866	44868	44870	44871	44873	44875	44876	44872	44867	44866	44867	44873
19	44874	44882	44891	44891	44887	44882	44876	44872	44868	44867	44866	44866	44866	44866	44868	44870	44871	44873	44875	44876	44872	44867	44866	44867	44873
20	44875	44874	44877	44875	44870	44862	44859	44856	44853	44849	44849	44853	44858	44859	44860	44861	44861	44864	44866	44867	44862	44857	44862	44867	44862
21D	44867	44869	44877	44875	44875	44871	44871	44866	44864	44867	44869	44864	44856	44846	44847	44847	44847	44853	44861	44862	44861	44861	44857	44859	44862
22D	44873	44872	44869	44873	44852	44847	44837	44840	44825	44827	44836	44828	44842	44825	44844	44841	44834	44843	44851	44853	44847	44840	44844	44850	44845
23D	44853	44856	44858	44857	44855	44848	44846	44844	44845	44849	44846	44848	44848	44846	44852	44853	44854	44856	44859	44861	44858	44852	44853	44856	44852
24	44860	44866	44869	44867	44864	44860	44856	44850	44847	44849	44851	44852	44854	44853	44853	44857	44859	44860	44861	44863	44857	44856	44860	44863	44858
25	44865	44870	44872	44867	44863	44851	44847	44849	44850	44850	44850	44847	44845	44838	44836	44842	44848	44851	44852	44851	44849	44847	44852	44858	44852
26	44863	44870	44870	44860	44854	44849	44850	44856	44859	44858	44856	44853	44853	44854	44851	44855	44860	44860	44864	44865	44865	44861	44865	44866	44859
27	44870	44872	44872	44872	44871	44861	44860	44858	44850	44845	44848	44849	44851	44855	44846	44853	44855	44859	44862	44864	44858	44857	44863	44867	44859
28	44868	44870	44875	44867	44866	44861	44851	44851	44856	44856	44852	44847	44850	44843	44846	44854	44860	44861	44862	44865	44859	44857	44860	44868	44858
29	44874	44879	44880	44878	44869	44866	44862	44858	44853	44852	44852	44845	44842	44841	44841	44849	44852	44856	44862	44863	44859	44850	44852	44859	44858
30	44866	44871	44875	44874	44870	44869	44863	44864	44860	44865	44862	44862	44861	44855	44855	44857	44861	44858	44860	44862	44856	44854	44854	44858	44862
Mean	44875	44880	44885	44889	44880	44874	44870	44866	44864	44864	44865	44864	44865	44863	44864	44866	44867	44869	44873	44873	44869	44865	44866	44871	44870
Q	44886	44893	44900	44899	44896	44888	44883	44879	44876	44877	44877	44876	44877	44876	44878	44879	44881	44883	44885	44886	44882	44877	44879	44884	44883
D	44869	44871	44874	44873	44866	44860	44854	44852	44846	44849	44854	44852	44854	44846	44853	44850	44849	44855	44860	44861	44857	44854	44855	44860	44857

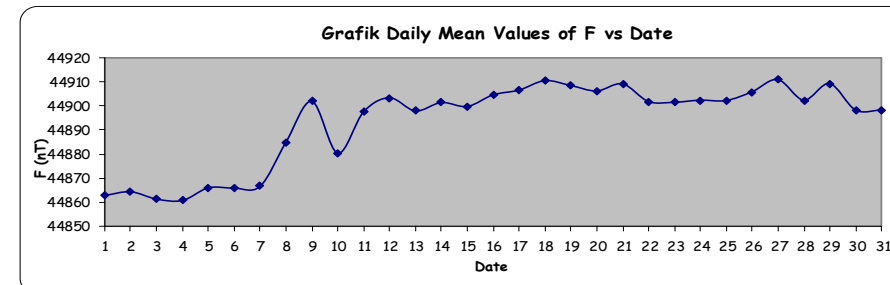
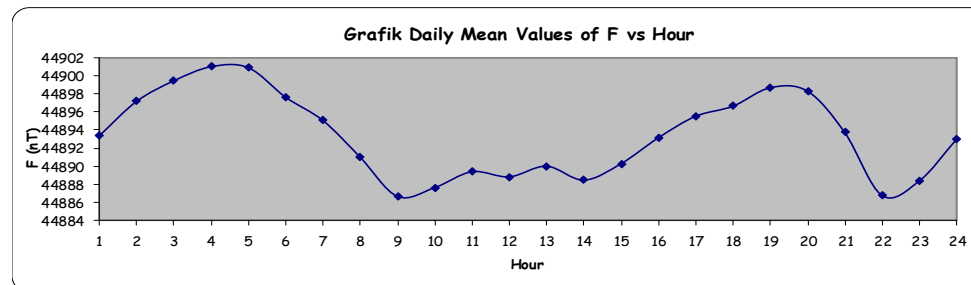


TOTAL INTENSITY  
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

## TANGERANG MAGNETIC OBSERVATORY

December-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1Q	44861	44867	44875	44876	44877	44872	44867	44862	44858	44859	44859	44858	44858	44858	44859	44861	44861	44860	44864	44864	44858	44856	44857	44859	44863
2	44861	44863	44872	44870	44868	44862	44856	44852	44853	44858	44861	44863	44864	44864	44867	44871	44871	44873	44874	44875	44874	44858	44857	44860	44864
3	44865	44869	44872	44873	44876	44874	44870	44861	44855	44855	44858	44857	44855	44852	44858	44858	44855	44858	44863	44863	44856	44851	44855	44862	44861
4Q	44862	44869	44869	44867	44870	44859	44854	44853	44851	44856	44858	44859	44860	44858	44858	44863	44866	44865	44867	44867	44859	44854	44854	44860	44861
5	44863	44866	44869	44873	44870	44868	44868	44864	44858	44859	44860	44861	44861	44863	44864	44866	44869	44872	44878	44876	44876	44859	44859	44864	44866
6	44866	44870	44872	44865	44864	44865	44866	44861	44862	44869	44866	44860	44859	44862	44869	44868	44871	44873	44877	44875	44868	44858	44858	44861	44866
7	44868	44880	44880	44879	44879	44880	44882	44869	44861	44863	44863	44859	44859	44856	44858	44861	44865	44869	44871	44870	44866	44852	44853	44857	44867
8	44856	44861	44861	44860	44858	44858	44857	44874	44889	44890	44891	44890	44894	44895	44899	44905	44905	44901	44906	44907	44902	44891	44892	44897	44885
9	44903	44907	44907	44914	44909	44907	44903	44903	44905	44905	44904	44901	44900	44897	44899	44900	44901	44897	44905	44908	44896	44890	44892	44893	44902
10	44888	44890	44888	44885	44884	44879	44876	44872	44868	44870	44874	44878	44875	44873	44878	44885	44887	44888	44890	44890	44879	44875	44875	44882	44880
11	44900	44899	44899	44911	44911	44906	44900	44897	44892	44892	44897	44888	44887	44889	44887	44892	44897	44902	44904	44903	44902	44893	44894	44899	44898
12	44898	44903	44906	44909	44908	44905	44905	44900	44898	44903	44904	44902	44902	44899	44901	44902	44905	44906	44908	44909	44905	44898	44901	44902	44903
13	44904	44905	44909	44909	44905	44900	44899	44895	44892	44893	44895	44895	44896	44894	44891	44893	44896	44899	44900	44900	44897	44895	44894	44897	44898
14	44902	44909	44893	44909	44914	44911	44909	44904	44898	44894	44895	44896	44897	44897	44897	44902	44904	44906	44908	44908	44904	44890	44892	44895	44901
15	44895	44899	44905	44908	44903	44895	44896	44892	44887	44889	44895	44896	44899	44898	44900	44905	44908	44907	44908	44908	44907	44898	44899	44902	44900
16	44906	44910	44914	44912	44915	44916	44923	44916	44909	44905	44903	44902	44901	44899	44897	44896	44905	44906	44907	44905	44898	44886	44888	44893	44905
17	44898	44903	44909	44912	44916	44916	44914	44912	44906	44904	44902	44903	44904	44904	44907	44908	44907	44907	44909	44909	44903	44899	44902	44904	44907
18	44906	44917	44924	44925	44925	44920	44914	44910	44910	44909	44909	44906	44910	44907	44906	44907	44906	44907	44912	44912	44907	44900	44901	44905	44911
19	44908	44912	44915	44920	44920	44917	44917	44910	44900	44908	44910	44909	44908	44898	44906	44910	44910	44909	44910	44908	44904	44899	44899	44897	44909
20	44894	44897	44908	44914	44920	44919	44918	44911	44902	44900	44899	44897	44897	44893	44896	44902	44911	44915	44915	44915	44913	44904	44902	44908	44906
21D	44911	44916	44922	44918	44918	44910	44903	44897	44899	44907	44904	44905	44907	44904	44906	44904	44911	44913	44912	44915	44910	44902	44905	44922	44909
22D	44913	44918	44914	44904	44905	44903	44905	44899	44889	44886	44887	44891	44895	44898	44899	44901	44907	44907	44910	44908	44906	44897	44899	44903	44902
23D	44903	44907	44906	44903	44912	44915	44907	44902	44898	44895	44897	44888	44890	44893	44900	44904	44903	44903	44904	44905	44902	44897	44900	44904	44902
24	44908	44912	44915	44916	44917	44918	44912	44907	44898	44895	44901	44894	44906	44894	44890	44899	44898	44897	44897	44898	44896	44890	44897	44904	44902
25	44905	44907	44910	44913	44917	44916	44910	44904	44895	44891	44898	44899	44896	44895	44894	44896	44898	44902	44905	44904	44902	44898	44898	44901	44902
26	44901	44905	44909	44910	44911	44909	44907	44904	44898	44899	44904	44905	44905	44902	44902	44903	44905	44908	44909	44907	44907	44908	44907	44916	44906
27	44920	44919	44921	44928	44927	44917	44915	44912	44907	44906	44906	44908	44906	44906	44906	44906	44909	44907	44910	44906	44902	44903	44905	44909	44911
28D	44907	44904	44909	44915	44910	44907	44903	44894	44886	44891	44894	44896	44900	44899	44900	44902	44905	44909	44910	44907	44904	44900	44900	44906	44902
29	44908	44914	44916	44921	44922	44926	44922	44915	44904	44899	44902	44904	44906	44904	44905	44906	44909	44910	44909	44908	44904	44899	44903	44909	44909
30	44907	44907	44907	44906	44898	44889	44883	44886	44881	44883	44888	44892	44897	44896	44900	44905	44908	44911	44909	44908	44900	44896	44900	44905	44898
31Q	44907	44907	44907	44906	44898	44889	44883	44886	44881	44883	44888	44892	44897	44896	44900	44905	44908	44911	44909	44908	44900	44896	44900	44905	44898
Mean	44893	44897	44899	44901	44901	44898	44895	44891	44887	44888	44889	44889	44890	44888	44890	44893	44896	44897	44899	44898	44894	44887	44888	44893	44893
Q	44888	44891	44891	44891	44887	44883	44880	44884	44886	44887	44889	44890	44892	44890	44894	44899	44900	44899	44903	44903	44894	44888	44890	44894	44891
D	44895	44898	44901	44903	44904	44903	44899	44894	44887	44886	44891	44890	44892	44888	44887	44891	44893	44895	44897	44896	44895	44889	44890	44896	44894

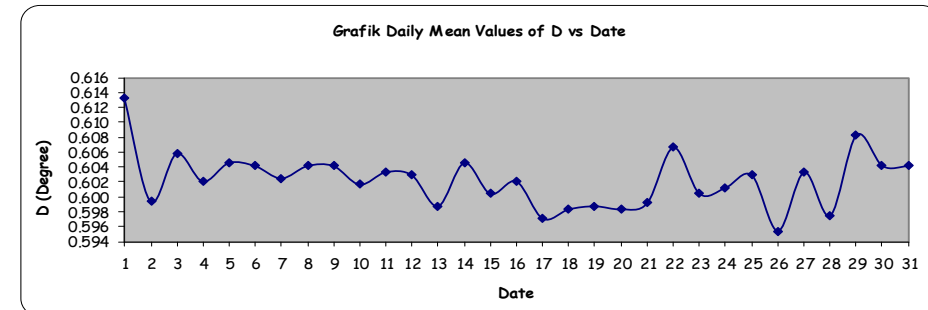
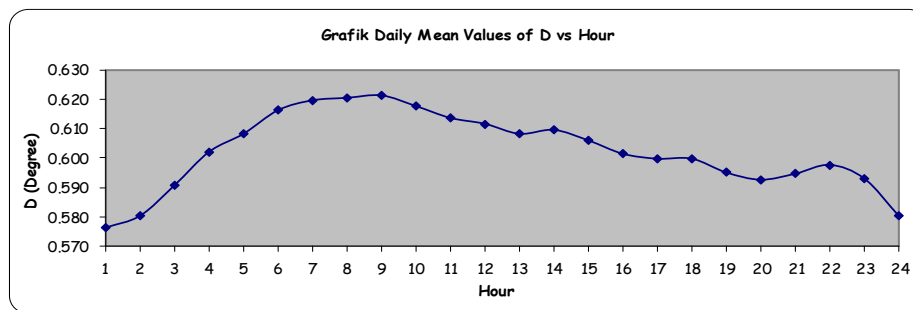


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

January-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	0.610	0.610	0.630	0.630	0.640	0.640	0.640	0.640	0.630	0.630	0.620	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.580	0.613	
2	0.578	0.583	0.593	0.593	0.592	0.609	0.622	0.628	0.623	0.621	0.617	0.606	0.601	0.602	0.601	0.601	0.600	0.600	0.595	0.590	0.593	0.595	0.582	0.560	0.599
3D	0.560	0.580	0.590	0.610	0.620	0.630	0.640	0.640	0.630	0.620	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.590	0.580	0.606
4	0.580	0.590	0.590	0.580	0.590	0.600	0.610	0.620	0.620	0.620	0.610	0.610	0.600	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.610	0.600	0.600	0.590	0.602
5D	0.580	0.590	0.600	0.600	0.600	0.610	0.620	0.620	0.630	0.630	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.590	0.590	0.590	0.600	0.600	0.600	0.580	0.605
6	0.580	0.590	0.590	0.600	0.600	0.610	0.620	0.620	0.620	0.620	0.630	0.620	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.580	0.604
7	0.580	0.590	0.610	0.620	0.620	0.620	0.600	0.600	0.600	0.610	0.620	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.580	0.603
8	0.580	0.590	0.600	0.610	0.610	0.610	0.610	0.620	0.630	0.620	0.620	0.610	0.600	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.590	0.580	0.604
9D	0.590	0.590	0.590	0.610	0.620	0.620	0.610	0.600	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.590	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.580	0.604
10	0.560	0.560	0.570	0.600	0.610	0.620	0.620	0.620	0.630	0.620	0.610	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.570	0.602
11	0.580	0.590	0.600	0.600	0.610	0.620	0.630	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.590	0.580	0.603
12Q	0.570	0.580	0.580	0.600	0.610	0.620	0.620	0.630	0.620	0.610	0.600	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.603
13	0.580	0.570	0.570	0.580	0.590	0.610	0.610	0.620	0.630	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.600	0.580	0.599
14Q	0.570	0.570	0.590	0.600	0.620	0.630	0.640	0.640	0.630	0.620	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.605
15	0.570	0.570	0.580	0.590	0.590	0.620	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.600
16D	0.570	0.570	0.580	0.600	0.600	0.620	0.630	0.630	0.630	0.630	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.580	0.602
17	0.560	0.570	0.580	0.600	0.600	0.600	0.600	0.600	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.597
18	0.570	0.580	0.590	0.600	0.600	0.600	0.600	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.598
19	0.580	0.580	0.600	0.610	0.600	0.610	0.600	0.610	0.610	0.600	0.600	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.570	0.599
20Q	0.570	0.580	0.600	0.600	0.600	0.590	0.600	0.610	0.620	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.598
21	0.580	0.600	0.620	0.620	0.610	0.620	0.600	0.580	0.590	0.590	0.600	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.590	0.560	0.599
22	0.560	0.580	0.610	0.620	0.620	0.620	0.660	0.650	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.590	0.607
23Q	0.580	0.580	0.580	0.590	0.600	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.600	0.580	0.600
24	0.580	0.580	0.590	0.600	0.600	0.600	0.610	0.610	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.590	0.580	0.601
25	0.570	0.570	0.590	0.610	0.630	0.630	0.630	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.580	0.603
26	0.560	0.550	0.550	0.580	0.590	0.610	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.590	0.600	0.590	0.590	0.590	0.590	0.580	0.595
27	0.580	0.580	0.600	0.610	0.620	0.630	0.630	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.590	0.603
28	0.580	0.580	0.580	0.600	0.600	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.570	0.598	
29	0.580	0.580	0.600	0.620	0.640	0.640	0.630	0.630	0.630	0.620	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.600	0.590	0.608
30	0.590	0.580	0.580	0.590	0.610	0.620	0.620	0.630	0.640	0.630	0.620	0.610	0.600	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.604	
31	0.590	0.580	0.580	0.590	0.610	0.620	0.620	0.630	0.640	0.630	0.620	0.610	0.600	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.604	
Mean	0.576	0.580	0.591	0.602	0.608	0.616	0.619	0.620	0.621	0.617	0.613	0.611	0.608	0.609	0.606	0.601	0.600	0.600	0.595	0.593	0.595	0.598	0.593	0.580	0.602
Q	0.573	0.578	0.588	0.598	0.608	0.613	0.620	0.625	0.620	0.613	0.608	0.610	0.608	0.610	0.608	0.600	0.600	0.600	0.598	0.593	0.598	0.598	0.595	0.583	0.602
D	0.575	0.583	0.590	0.605	0.610	0.620	0.625	0.623	0.625	0.625	0.618	0.613	0.610	0.610	0.608	0.603	0.600	0.600	0.595	0.595	0.595	0.600	0.595	0.580	0.604

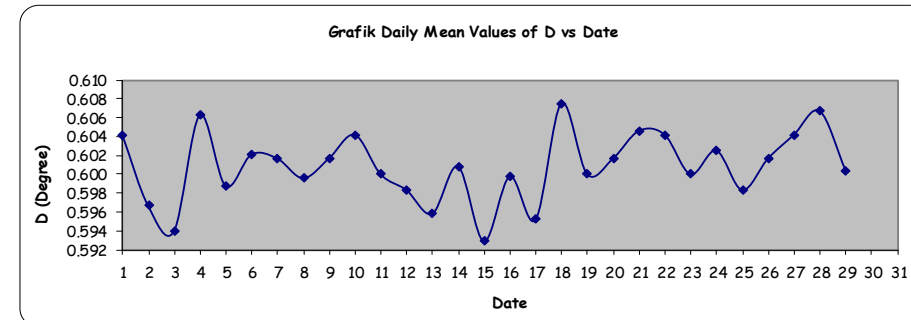
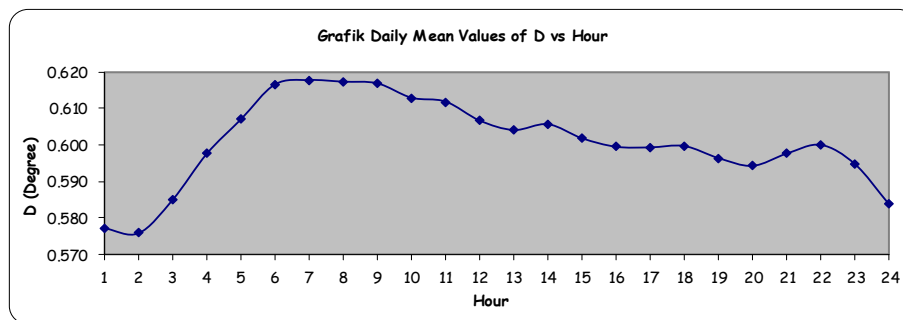


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

February-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	0.590	0.590	0.600	0.610	0.610	0.610	0.610	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.604
2	0.590	0.590	0.580	0.580	0.590	0.600	0.600	0.600	0.600	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.597
3	0.582	0.579	0.576	0.577	0.577	0.583	0.588	0.596	0.617	0.616	0.610	0.604	0.603	0.605	0.601	0.601	0.600	0.600	0.591	0.590	0.594	0.595	0.591	0.580	0.594
4	0.590	0.600	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.600	0.590	0.606
5	0.580	0.590	0.600	0.600	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.599
6D	0.580	0.580	0.590	0.600	0.600	0.610	0.620	0.620	0.610	0.610	0.620	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.602
7D	0.570	0.570	0.580	0.600	0.600	0.610	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.610	0.610	0.610	0.600	0.590	0.602
8	0.580	0.570	0.580	0.590	0.600	0.620	0.620	0.630	0.620	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.600	0.600	0.610	0.600	0.600	0.580	0.600
9	0.570	0.560	0.560	0.580	0.590	0.620	0.640	0.640	0.640	0.620	0.610	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.610	0.600	0.590	0.602
10	0.580	0.580	0.590	0.600	0.610	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.600	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.604
11	0.580	0.580	0.580	0.590	0.600	0.610	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.600
12	0.570	0.560	0.570	0.590	0.600	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.570	0.598
13Q	0.560	0.560	0.570	0.580	0.590	0.600	0.610	0.620	0.620	0.620	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.570	0.596
14Q	0.560	0.550	0.550	0.580	0.600	0.620	0.630	0.640	0.640	0.630	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.590	0.601
15	0.570	0.560	0.550	0.550	0.560	0.590	0.610	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.570	0.593
16	0.569	0.562	0.566	0.587	0.603	0.615	0.613	0.619	0.622	0.618	0.614	0.607	0.605	0.608	0.608	0.602	0.600	0.600	0.596	0.590	0.590	Lost	Lost	Lost	0.600
17	0.571	0.572	0.575	0.576	0.581	0.589	0.590	0.603	0.606	0.607	0.617	0.611	0.609	0.610	0.603	0.601	0.600	0.600	0.599	0.594	0.596	0.594	0.593	0.589	0.595
18D	0.600	0.600	0.620	0.630	0.640	0.640	0.640	0.630	0.620	0.620	0.620	0.610	0.610	0.610	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.590	0.570	0.608	
19	0.560	0.560	0.580	0.590	0.620	0.630	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	
20	0.590	0.590	0.600	0.610	0.620	0.630	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.602
21D	0.570	0.570	0.590	0.620	0.630	0.640	0.640	0.630	0.630	0.620	0.610	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.590	0.570	0.605
22	0.560	0.560	0.580	0.600	0.610	0.630	0.630	0.620	0.630	0.620	0.620	0.610	0.600	0.600	0.610	0.600	0.600	0.600	0.610	0.610	0.610	0.600	0.600	0.590	0.604
23	0.580	0.580	0.590	0.610	0.620	0.620	0.610	0.600	0.590	0.600	0.610	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.580	0.600	
24Q	0.570	0.580	0.600	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.610	0.600	0.600	0.603
25Q	0.590	0.580	0.590	0.600	0.610	0.610	0.610	0.600	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.590	0.598
26	0.580	0.580	0.590	0.600	0.610	0.630	0.630	0.630	0.620	0.600	0.600	0.610	0.600	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.590	0.602
27	0.580	0.580	0.590	0.620	0.630	0.630	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.600	0.600	0.600	0.604
28	0.600	0.600	0.620	0.630	0.640	0.640	0.630	0.610	0.610	0.610	0.610	0.610	0.600	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.570	0.607	
29	0.570	0.570	0.580	0.600	0.610	0.610	0.620	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.610	0.590	0.600	0.600
Mean	0.577	0.576	0.585	0.598	0.607	0.616	0.618	0.617	0.617	0.613	0.612	0.607	0.604	0.606	0.602	0.599	0.599	0.600	0.596	0.594	0.598	0.600	0.595	0.584	0.601
Q	0.570	0.568	0.578	0.593	0.605	0.613	0.615	0.618	0.618	0.615	0.613	0.605	0.603	0.603	0.603	0.600	0.600	0.600	0.593	0.595	0.600	0.603	0.593	0.588	0.599
D	0.580	0.580	0.595	0.613	0.618	0.625	0.630	0.625	0.620	0.615	0.615	0.610	0.610	0.608	0.600	0.598	0.598	0.598	0.595	0.593	0.600	0.603	0.593	0.578	0.604

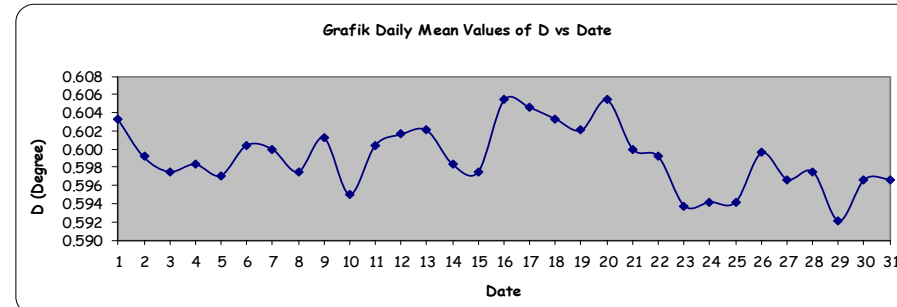
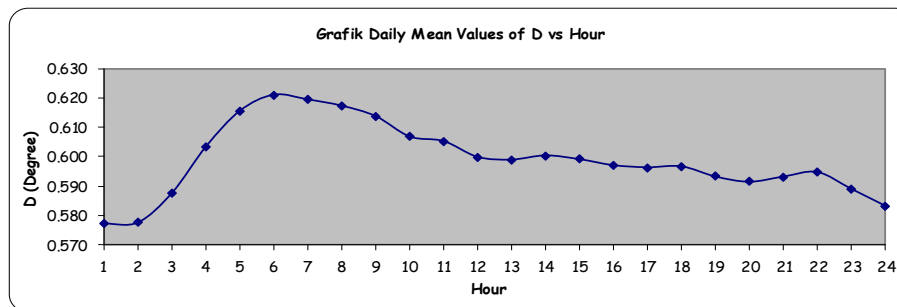


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

## TANGERANG MAGNETIC OBSERVATORY

March-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	0.590	0.600	0.600	0.610	0.620	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.603
2	0.590	0.590	0.600	0.620	0.630	0.630	0.620	0.600	0.600	0.610	0.610	0.600	0.590	0.600	0.600	0.590	0.590	0.600	0.590	0.590	0.590	0.590	0.580	0.570	0.599
3	0.560	0.570	0.590	0.600	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.590	0.580	0.598	
4D	0.570	0.580	0.590	0.610	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.570	0.598	
5	0.570	0.570	0.580	0.600	0.610	0.620	0.620	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.597	
6	0.580	0.580	0.590	0.610	0.620	0.630	0.620	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.600	
7	0.580	0.580	0.600	0.620	0.630	0.630	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.600	
8	0.570	0.580	0.580	0.600	0.620	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.598	
9	0.580	0.590	0.610	0.620	0.630	0.640	0.630	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.590	0.590	0.580	0.570	0.601
10	0.570	0.570	0.580	0.600	0.610	0.610	0.600	0.600	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.570	0.595	
11Q	0.560	0.560	0.600	0.620	0.630	0.640	0.630	0.620	0.610	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.600	
12	0.574	0.577	0.597	0.614	0.630	0.639	0.639	0.623	0.613	0.609	0.611	0.605	0.597	0.601	0.601	0.598	0.596	0.596	0.589	0.584	0.588	0.596	0.590	0.572	0.602
13D	0.570	0.570	0.590	0.620	0.630	0.640	0.630	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.602	
14Q	0.570	0.570	0.580	0.590	0.610	0.620	0.620	0.620	0.620	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.580	0.598	
15	0.580	0.570	0.570	0.590	0.610	0.620	0.620	0.620	0.620	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.598	
16	0.580	0.580	0.600	0.620	0.630	0.640	0.650	0.640	0.620	0.610	0.620	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.570	0.605
17	0.570	0.570	0.590	0.610	0.620	0.640	0.640	0.660	0.630	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.600	0.590	0.580	0.605	
18	0.580	0.590	0.610	0.620	0.630	0.630	0.620	0.620	0.620	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.603	
19D	0.570	0.580	0.590	0.620	0.630	0.630	0.630	0.620	0.620	0.610	0.610	0.600	0.590	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.602	
20	0.580	0.590	0.610	0.620	0.630	0.640	0.640	0.630	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.605	
21D	0.580	0.570	0.580	0.590	0.610	0.630	0.640	0.640	0.620	0.600	0.600	0.590	0.600	0.590	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.600	0.590	0.600	
22	0.590	0.600	0.610	0.610	0.620	0.620	0.610	0.610	0.610	0.600	0.600	0.590	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.570	0.599	
23	0.560	0.570	0.590	0.600	0.610	0.610	0.600	0.600	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.594	
24Q	0.570	0.570	0.570	0.590	0.600	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.600	0.590	0.590	0.594	
25Q	0.580	0.580	0.570	0.580	0.590	0.600	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.594	
26	0.590	0.580	0.580	0.600	0.610	0.620	0.620	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.590	0.600	
27	0.590	0.570	0.570	0.580	0.590	0.610	0.610	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.600	0.590	0.590	0.590	0.600	0.590	0.590	0.597	
28	0.580	0.580	0.570	0.590	0.610	0.610	0.610	0.620	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.600	0.590	0.590	0.600	0.600	0.600	0.598	
29	0.580	0.560	0.560	0.570	0.590	0.600	0.600	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.600	0.592	
30	0.590	0.580	0.580	0.590	0.600	0.590	0.600	0.610	0.620	0.610	0.600	0.600	0.590	0.600	0.600	0.590	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.597	
31	0.590	0.580	0.580	0.590	0.600	0.590	0.600	0.610	0.620	0.610	0.600	0.600	0.590	0.600	0.600	0.590	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.597	
Mean	0.577	0.578	0.588	0.603	0.615	0.621	0.619	0.617	0.614	0.607	0.605	0.600	0.599	0.600	0.599	0.597	0.596	0.597	0.593	0.591	0.593	0.595	0.589	0.583	0.599
Q	0.570	0.570	0.580	0.595	0.608	0.618	0.618	0.615	0.613	0.605	0.605	0.600	0.600	0.600	0.598	0.595	0.595	0.590	0.590	0.595	0.593	0.590	0.588	0.597	
D	0.573	0.575	0.588	0.610	0.623	0.630	0.630	0.623	0.615	0.608	0.608	0.598	0.598	0.598	0.600	0.600	0.600	0.595	0.590	0.593	0.595	0.588	0.583	0.601	



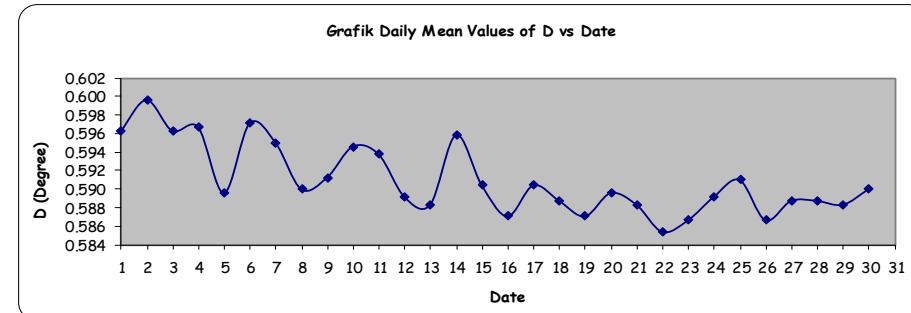
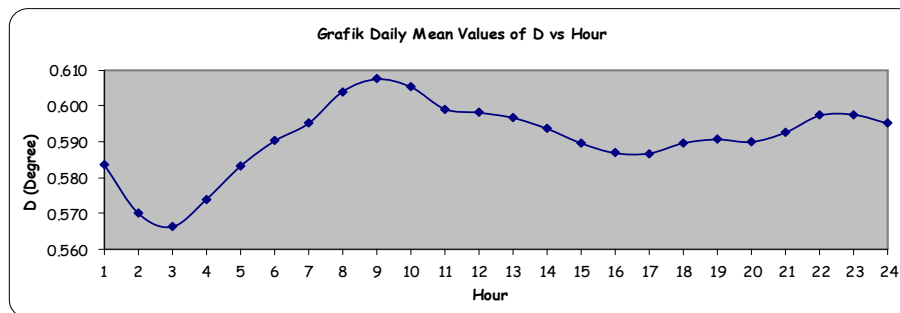


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

April-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	0.580	0.570	0.580	0.590	0.600	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.590	0.600	0.590	0.590	0.596
2	0.570	0.570	0.580	0.600	0.620	0.630	0.620	0.620	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.590	0.600	0.600	0.590	0.600	0.600
3	0.600	0.590	0.590	0.590	0.600	0.600	0.600	0.600	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.600	0.596
4	0.590	0.580	0.580	0.590	0.600	0.600	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.600	0.597
5	0.590	0.580	0.570	0.580	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.590
6Q	0.570	0.580	0.600	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.590	0.580	0.597
7	0.570	0.570	0.580	0.600	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.590	0.590	0.595
8D	0.570	0.560	0.560	0.560	0.580	0.590	0.590	0.610	0.610	0.610	0.610	0.600	0.590	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.590
9	0.580	0.580	0.580	0.590	0.600	0.590	0.590	0.590	0.600	0.590	0.590	0.590	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.591
10	0.580	0.560	0.570	0.590	0.600	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.595
1	0.570	0.550	0.560	0.580	0.600	0.620	0.620	0.620	0.620	0.610	0.600	0.600	0.590	0.590	0.590	0.580	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.594
12D	0.570	0.560	0.550	0.560	0.580	0.590	0.600	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.580	0.590	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.600	0.589
13	0.580	0.560	0.550	0.550	0.560	0.580	0.600	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.600	0.588
14	0.590	0.570	0.570	0.590	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.596
15	0.580	0.570	0.560	0.580	0.590	0.590	0.580	0.590	0.600	0.610	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.600	0.590
16	0.590	0.580	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.590	0.587
17	0.590	0.570	0.570	0.570	0.580	0.580	0.590	0.600	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.590
18	0.580	0.570	0.560	0.570	0.580	0.590	0.600	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.589
19Q	0.570	0.550	0.540	0.550	0.580	0.590	0.600	0.610	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.587
20D	0.580	0.560	0.550	0.560	0.580	0.590	0.600	0.600	0.620	0.620	0.620	0.620	0.620	0.610	0.580	0.570	0.580	0.580	0.590	0.580	0.580	0.580	0.590	0.590	0.590
21D	0.590	0.570	0.560	0.560	0.570	0.580	0.580	0.600	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.590	0.590	0.590	0.600	0.600	0.600	0.588
22	0.590	0.570	0.560	0.570	0.570	0.570	0.570	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.600	0.585
23	0.590	0.570	0.560	0.570	0.570	0.580	0.580	0.590	0.590	0.600	0.590	0.600	0.590	0.590	0.590	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.587
24	0.596	0.574	0.563	0.568	0.573	0.585	0.599	0.611	0.610	0.600	0.595	0.594	0.591	0.590	0.589										0.589
25			0.561	0.564	0.575	0.583	0.596	0.609	0.613	0.608	0.599	0.590	0.590	0.590	0.590	0.590	0.587	0.590	0.590	0.590	0.595	0.592	0.600	0.599	0.591
26	0.590	0.570	0.560	0.560	0.560	0.570	0.570	0.590	0.600	0.610	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.610	0.587
27	0.590	0.580	0.570	0.560	0.560	0.570	0.580	0.600	0.610	0.610	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.600	0.589
28	0.600	0.580	0.570	0.560	0.560	0.570	0.580	0.600	0.620	0.610	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.600	0.589
29Q	0.590	0.570	0.560	0.560	0.560	0.560	0.580	0.600	0.610	0.610	0.600	0.600	0.590	0.590	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.600	0.600	0.610	0.588
30Q	0.590	0.570	0.560	0.570	0.570	0.580	0.590	0.610	0.610	0.610	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.600	0.590
Mean	0.584	0.570	0.566	0.574	0.583	0.590	0.595	0.604	0.607	0.605	0.599	0.598	0.597	0.594	0.590	0.587	0.587	0.590	0.591	0.590	0.593	0.597	0.598	0.595	0.591
Q	0.580	0.568	0.565	0.573	0.580	0.585	0.595	0.608	0.610	0.608	0.600	0.598	0.595	0.593	0.590	0.588	0.588	0.590	0.590	0.593	0.593	0.598	0.598	0.595	0.591
D	0.578	0.563	0.555	0.560	0.578	0.588	0.593	0.605	0.610	0.610	0.608	0.605	0.603	0.595	0.588	0.585	0.585	0.585	0.590	0.588	0.588	0.595	0.598	0.595	0.589

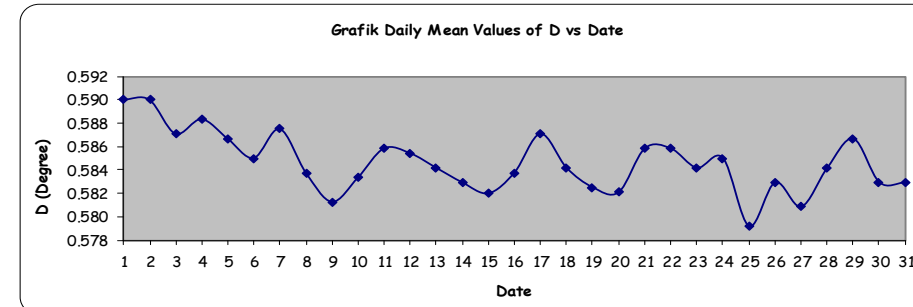
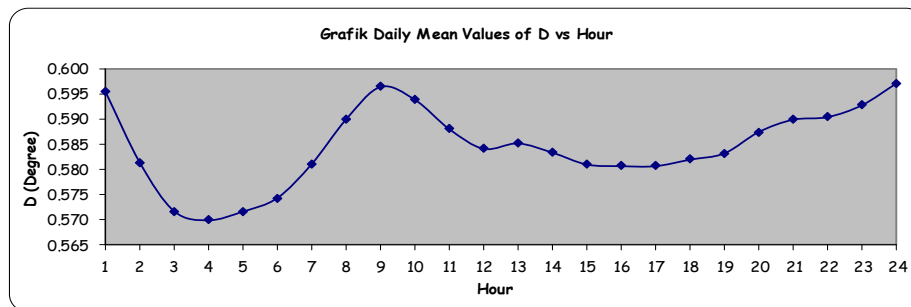


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

May-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	0.600	0.590	0.580	0.580	0.580	0.580	0.590	0.600	0.620	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.590
2	0.590	0.570	0.570	0.580	0.580	0.590	0.600	0.610	0.610	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.590
3	0.590	0.570	0.560	0.560	0.560	0.580	0.590	0.600	0.610	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.587
4	0.590	0.570	0.560	0.560	0.570	0.580	0.600	0.610	0.620	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.588
5D	0.590	0.570	0.560	0.560	0.570	0.580	0.590	0.600	0.610	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.587
6	0.590	0.570	0.550	0.560	0.570	0.570	0.570	0.590	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.585
7	0.590	0.570	0.560	0.560	0.570	0.590	0.600	0.600	0.610	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.600	0.588
8	0.590	0.570	0.560	0.550	0.560	0.570	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.590	0.584
9Q	0.590	0.570	0.560	0.550	0.550	0.560	0.570	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.581
10	0.600	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.590	0.590	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.583
11	0.590	0.590	0.590	0.580	0.570	0.570	0.580	0.590	0.600	0.600	0.590	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.586
12	0.590	0.570	0.570	0.570	0.560	0.560	0.580	0.600	0.590	0.590	0.590	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.600	0.600	0.585	
13	0.590	0.580	0.570	0.570	0.570	0.570	0.580	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.600	0.584	
14Q	0.600	0.590	0.580	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.583
15	0.588	0.575	0.570	0.568	0.570	0.571	0.579	0.591	0.596	0.590	0.587	0.581	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.586	0.590	0.588	0.597	0.582
16	0.600	0.590	0.580	0.580	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.584
17	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.600	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.587
18	0.590	0.580	0.570	0.570	0.580	0.580	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584
19	0.590	0.570	0.560	0.570	0.570	0.570	0.580	0.590	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.583	
20Q	0.587	0.575	0.567	0.560	0.561	0.568	0.574	0.581	0.589	0.592	0.586	0.585	0.590	0.583	0.580	0.580	0.580	0.580	0.587	0.590	0.590	0.591	0.595	0.600	0.582
21	0.600	0.590	0.580	0.590	0.590	0.580	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.586
22	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.586
23	0.600	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584
24D	0.610	0.600	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.585
25	0.600	0.590	0.570	0.550	0.550	0.550	0.560	0.570	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.579
26	0.593	0.583	0.576	0.569	0.570	0.576	0.570	0.575	0.592	0.596	0.585	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.582	0.590	0.590	0.590	0.592	0.602	0.583
27	0.600	0.590	0.570	0.570	0.560	0.560	0.570	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.581
28	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584
29Q	0.600	0.590	0.580	0.580	0.590	0.590	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.587
30D	0.610	0.590	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.583
31	0.610	0.590	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.583
Mean	0.595	0.581	0.572	0.570	0.572	0.574	0.581	0.590	0.596	0.594	0.588	0.584	0.585	0.583	0.581	0.581	0.581	0.582	0.583	0.587	0.590	0.590	0.593	0.597	0.585
Q	0.594	0.581	0.572	0.565	0.568	0.572	0.578	0.588	0.592	0.590	0.586	0.584	0.585	0.583	0.580	0.580	0.580	0.580	0.584	0.587	0.590	0.590	0.591	0.595	0.583
D	0.603	0.588	0.575	0.573	0.578	0.580	0.585	0.590	0.600	0.595	0.590	0.585	0.585	0.583	0.583	0.580	0.580	0.580	0.580	0.588	0.590	0.593	0.593	0.595	0.586

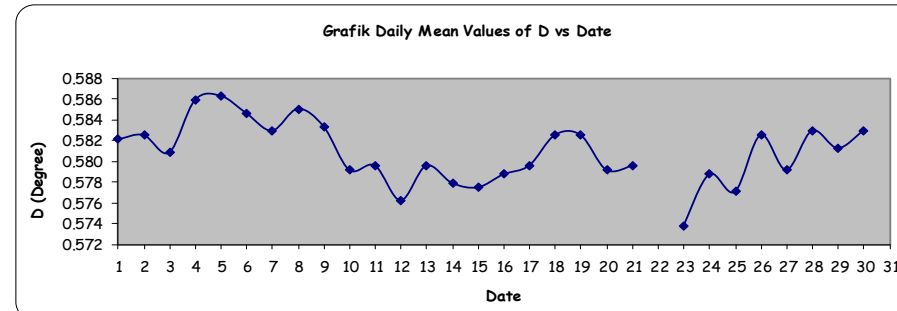
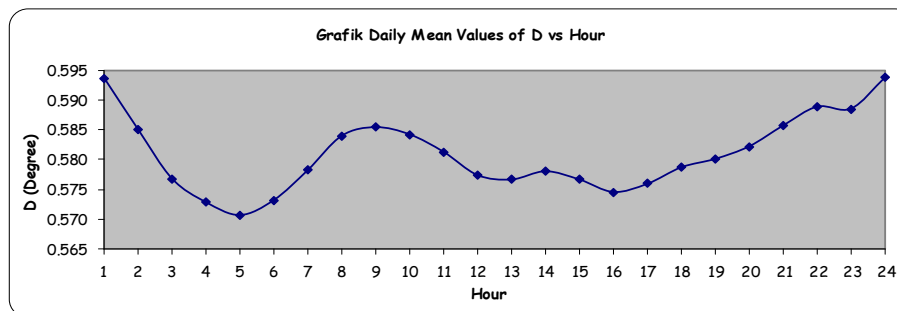


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

## TANGERANG MAGNETIC OBSERVATORY

June-20

DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1	0.590	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.582	
2D	0.600	0.590	0.580	0.580	0.570	0.570	0.580	0.590	0.590	0.590	0.580	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.583	
3	0.590	0.580	0.580	0.580	0.560	0.560	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.581	
4	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.586	
5	0.600	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.586	
6	0.590	0.580	0.570	0.570	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.585	
7D	0.590	0.590	0.580	0.570	0.570	0.570	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.580	0.590	0.590	0.590	0.590	0.600	0.583	
8	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.585	
9	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.580	0.590	0.590	0.583	
10D	0.590	0.580	0.570	0.570	0.570	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.579	
11	0.590	0.590	0.580	0.580	0.570	0.570	0.570	0.600	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.580	
12	0.590	0.580	0.570	0.560	0.550	0.560	0.570	0.570	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.576	
13Q	0.600	0.590	0.580	0.570	0.560	0.560	0.570	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.580	
14Q	0.590	0.590	0.580	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.590	0.578	
15	0.590	0.590	0.580	0.570	0.560	0.560	0.570	0.580	0.590	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.590	0.590	0.578	
16	0.590	0.570	0.560	0.550	0.550	0.570	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.579	
17	0.600	0.590	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.590	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.580	0.590	0.580	
18	0.590	0.580	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.570	0.580	0.580	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.583	
19	0.600	0.590	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.583	
20	0.600	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.579	
21	0.590	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.590	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.580	
22	MAINTENANCE INSKAL																									
23	MAINTENANCE GLOBALINDO										0.580	0.576	0.573	0.573	0.572	0.572	0.572	0.572	0.572	0.572	0.573	0.574	0.575	0.575	0.576	0.574
24	0.590	0.580	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.580	0.580	0.570	0.570	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.579	
25Q	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.580	0.580	0.580	0.570	0.580	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.577	
26	0.600	0.600	0.590	0.580	0.570	0.570	0.570	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.583	
27D	0.600	0.590	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.570	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.579	
28Q	0.590	0.590	0.580	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.583	
29	0.600	0.590	0.580	0.580	0.570	0.570	0.570	0.580	0.580	0.590	0.580	0.580	0.570	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.581	
30	0.590	0.580	0.570	0.560	0.570	0.570	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.600	0.583	
Mean	0.594	0.585	0.577	0.573	0.571	0.573	0.578	0.584	0.585	0.584	0.581	0.577	0.577	0.578	0.577	0.575	0.576	0.579	0.580	0.582	0.586	0.589	0.588	0.594	0.581	
Q	0.59	0.59	0.58	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.58	0.58	0.58	0.57	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.59	0.60	0.58	
D	0.60	0.59	0.58	0.57	0.57	0.57	0.58	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.58	

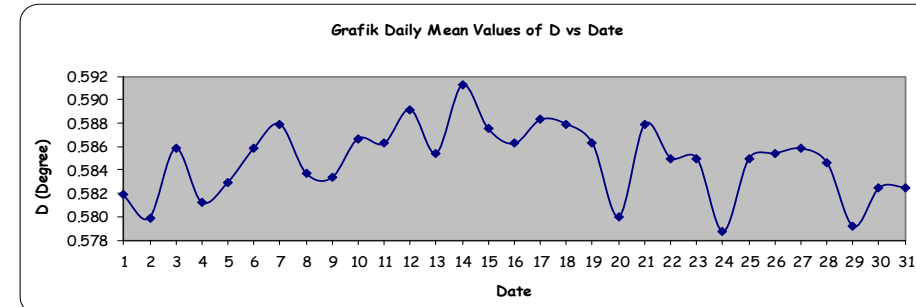
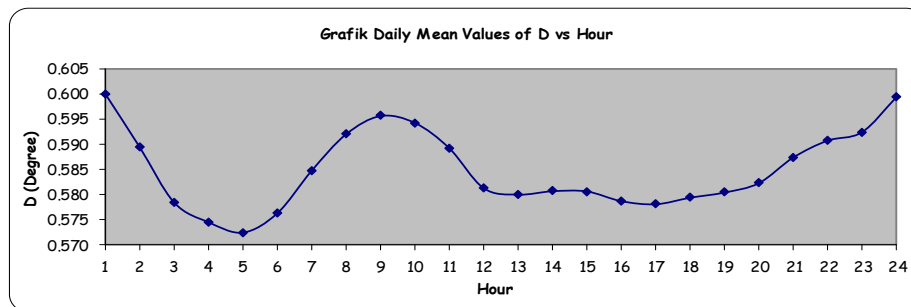


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

## TANGERANG MAGNETIC OBSERVATORY

July-20

DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1	0.591	0.582	0.578	0.580	0.578	0.580	0.581	0.582	0.590	0.590	0.583	0.578	0.579	0.580	0.580	0.580	0.580	0.580	0.580						0.582	
2			0.570	0.569	0.563	0.560	0.567	0.575	0.584	0.590	0.586	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.583	0.590	0.591	0.591	0.598	0.580
3	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.586	
4	0.590	0.590	0.570	0.570	0.560	0.570	0.570	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.581	
5D	0.600	0.590	0.590	0.580	0.570	0.560	0.570	0.590	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.583	
6	0.590	0.580	0.580	0.570	0.580	0.590	0.600	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.586	
7	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.588	
8Q	0.590	0.580	0.560	0.560	0.570	0.580	0.590	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584	
9	0.610	0.590	0.580	0.580	0.570	0.580	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.583	
10Q	0.600	0.590	0.590	0.580	0.580	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.587	
11	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.586	
12	0.600	0.580	0.570	0.570	0.580	0.590	0.600	0.610	0.620	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.610	0.589	
13	0.610	0.610	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.585	
14D	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.610	0.591	
15	0.610	0.600	0.590	0.590	0.580	0.580	0.590	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.588	
16	0.590	0.580	0.580	0.580	0.570	0.580	0.590	0.600	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.586	
17	0.599	0.589	0.582	0.580	0.585	0.594	0.609	0.605	0.599	0.591	0.586	0.581	0.580	0.580	0.579	0.579	0.580	0.580	0.582	0.584	0.590	0.591	0.591	0.602	0.588	
18	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.588	
19	0.600	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.586	
20Q	0.590	0.570	0.560	0.560	0.560	0.570	0.570	0.580	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.580	
21	0.600	0.580	0.570	0.580	0.590	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.588	
22	0.600	0.590	0.580	0.570	0.570	0.570	0.590	0.590	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.585	
23	0.610	0.590	0.580	0.570	0.570	0.570	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.585	
24D	0.600	0.580	0.560	0.550	0.550	0.560	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.590	0.580	0.580	0.560	0.560	0.570	0.580	0.570	0.580	0.590	0.610	0.579	
25D	0.610	0.600	0.580	0.570	0.560	0.570	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.610	0.585	
26Q	0.610	0.600	0.590	0.580	0.570	0.560	0.580	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.585	
27	0.600	0.590	0.580	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.590	0.600	0.586	
28	0.600	0.600	0.590	0.580	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.585	
29	0.590	0.570	0.550	0.540	0.540	0.560	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.600	0.579	
30	0.590	0.580	0.560	0.560	0.560	0.560	0.580	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.583	
31	0.590	0.580	0.560	0.560	0.560	0.560	0.580	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.583	
Mean	0.600	0.589	0.578	0.574	0.572	0.576	0.585	0.592	0.596	0.594	0.589	0.581	0.580	0.581	0.581	0.579	0.578	0.579	0.580	0.582	0.587	0.591	0.592	0.599	0.585	
Q	0.598	0.585	0.575	0.570	0.570	0.573	0.583	0.590	0.593	0.593	0.588	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.583	0.590	0.590	0.598	0.600	0.584	
D	0.605	0.595	0.583	0.573	0.568	0.570	0.580	0.593	0.600	0.595	0.590	0.580	0.580	0.583	0.580	0.578	0.573	0.575	0.578	0.583	0.583	0.590	0.593	0.605	0.584	

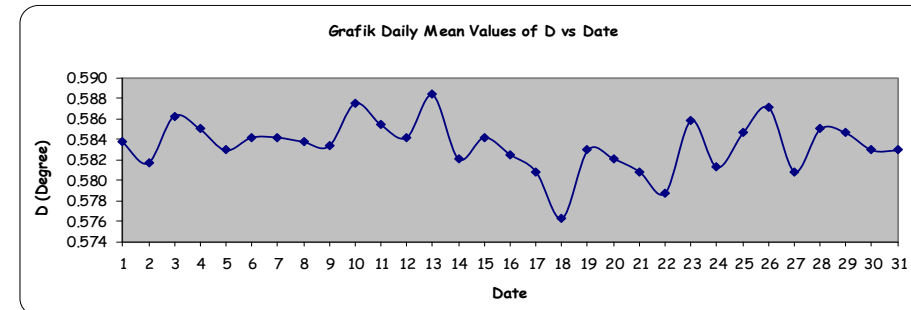
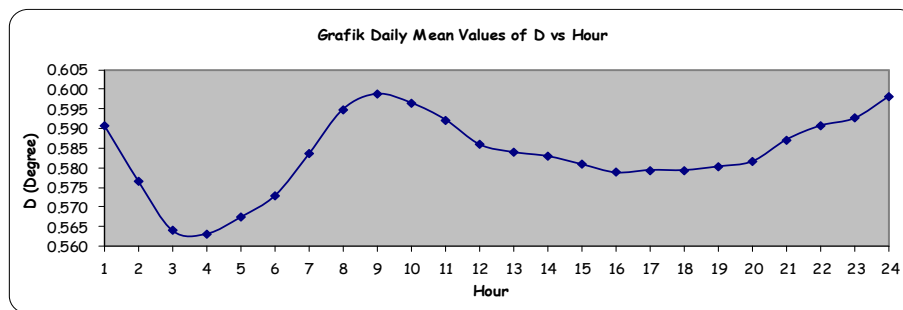


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

August-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1Q	0.590	0.570	0.560	0.560	0.570	0.580	0.590	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.584
2D	0.580	0.560	0.550	0.560	0.570	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.600	0.600	0.582
3D	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.610	0.620	0.610	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.600	0.590	0.590	0.586
4	0.580	0.570	0.560	0.560	0.580	0.590	0.600	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.600	0.585
5	0.590	0.580	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.583
6	0.590	0.570	0.560	0.570	0.580	0.580	0.590	0.600	0.600	0.590	0.590	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584
7	0.590	0.580	0.560	0.550	0.550	0.560	0.600	0.620	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.600	0.584
8	0.600	0.590	0.570	0.560	0.560	0.570	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584
9Q	0.590	0.580	0.570	0.560	0.560	0.570	0.590	0.590	0.600	0.590	0.580	0.580	0.580	0.590	0.590	0.580	0.590	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.583
10	0.600	0.590	0.570	0.570	0.580	0.590	0.600	0.610	0.610	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.588
11Q	0.580	0.580	0.570	0.570	0.580	0.590	0.600	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.585
12	0.600	0.590	0.580	0.580	0.570	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.584
13	0.590	0.580	0.560	0.570	0.570	0.590	0.600	0.610	0.620	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.600	0.600	0.588
14	0.590	0.570	0.560	0.560	0.570	0.580	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.582
15	0.590	0.570	0.560	0.570	0.570	0.580	0.600	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.584
16	0.600	0.580	0.570	0.570	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.583
17	0.590	0.570	0.550	0.550	0.560	0.570	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.581
18	0.590	0.570	0.550	0.540	0.550	0.550	0.560	0.580	0.590	0.590	0.590	0.590	0.590	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.576
19	0.590	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.583
20	0.590	0.570	0.560	0.560	0.560	0.560	0.570	0.590	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.600	0.610	0.582
21	0.600	0.580	0.560	0.550	0.550	0.560	0.580	0.590	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.581
22	0.590	0.570	0.550	0.540	0.540	0.540	0.560	0.590	0.610	0.610	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.579
23	0.590	0.570	0.560	0.550	0.570	0.580	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.610	0.586
24Q	0.600	0.580	0.560	0.560	0.560	0.560	0.570	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.581
25	0.590	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.585
26	0.590	0.580	0.580	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.587
27	0.590	0.570	0.560	0.560	0.560	0.570	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.581
28	0.599	0.590	0.583	0.580	0.572	0.561	0.570	0.591	0.600	0.599	0.597	0.592	0.592	0.590	0.586	0.582	0.572	0.581	0.580	0.580	0.581	0.581	0.590	0.591	0.585
29D	0.590	0.580	0.560	0.560	0.560	0.570	0.580	0.600	0.600	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.600	0.585
30D	0.580	0.570	0.560	0.560	0.570	0.560	0.570	0.590	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.610	0.583
31	0.580	0.570	0.560	0.560	0.570	0.560	0.570	0.590	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.610	0.583
Mean	0.591	0.576	0.564	0.563	0.567	0.573	0.584	0.595	0.599	0.596	0.592	0.586	0.584	0.583	0.581	0.579	0.579	0.579	0.580	0.582	0.587	0.591	0.593	0.598	0.583
Q	0.590	0.578	0.565	0.563	0.568	0.575	0.588	0.593	0.598	0.595	0.588	0.583	0.583	0.585	0.583	0.580	0.585	0.580	0.583	0.583	0.588	0.590	0.590	0.595	0.583
D	0.585	0.575	0.563	0.565	0.570	0.573	0.580	0.600	0.605	0.605	0.595	0.588	0.585	0.583	0.580	0.575	0.575	0.578	0.580	0.583	0.585	0.593	0.595	0.600	0.584

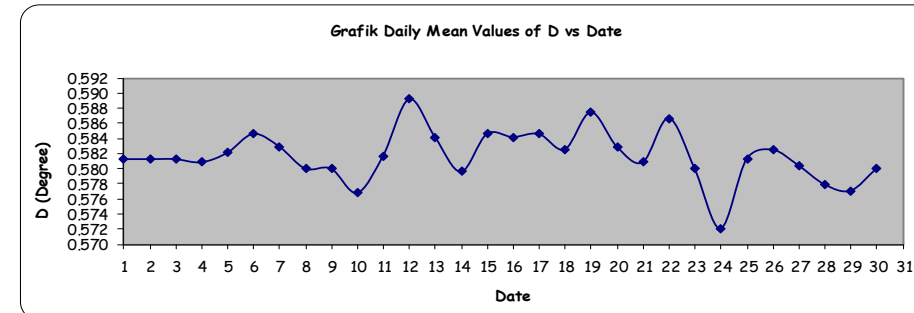
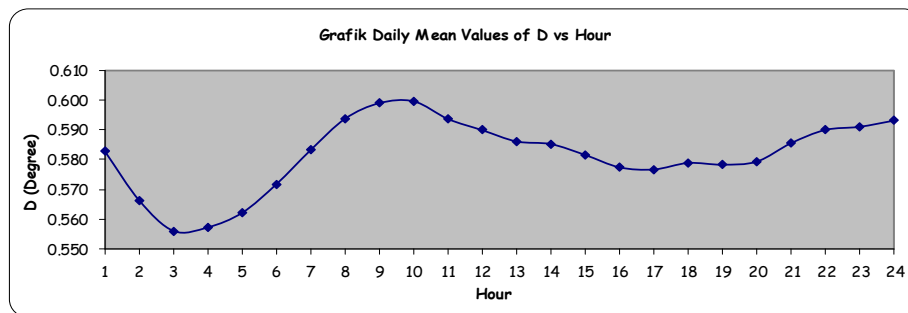


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

September-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	0.600	0.570	0.550	0.540	0.550	0.570	0.580	0.600	0.610	0.600	0.590	0.590	0.590	0.590	0.580	0.570	0.570	0.570	0.570	0.580	0.590	0.590	0.600	0.600	0.581
2	0.600	0.570	0.560	0.550	0.550	0.550	0.560	0.580	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.600	0.600	0.610	0.581
3	0.600	0.580	0.560	0.550	0.540	0.550	0.560	0.580	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.600	0.600	0.600	0.581
4	0.580	0.570	0.560	0.550	0.550	0.570	0.580	0.590	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.590	0.590	0.600	0.590	0.581
5	0.580	0.560	0.550	0.540	0.550	0.560	0.580	0.600	0.610	0.610	0.600	0.590	0.590	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.582
6	0.600	0.590	0.570	0.560	0.560	0.560	0.570	0.570	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.610	0.585
7	0.600	0.570	0.550	0.550	0.570	0.570	0.580	0.580	0.600	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.583
8	0.590	0.580	0.560	0.560	0.560	0.560	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.580
9Q	0.600	0.580	0.560	0.550	0.540	0.540	0.560	0.570	0.590	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.580
10	0.579	0.549	0.530	0.528	0.540	0.550	0.573	0.606	0.601	0.603	0.599	0.590	0.587	0.586	0.590	0.581	0.580	0.580	0.580	0.580	data lost			0.601	0.577
11Q	0.590	0.570	0.550	0.550	0.560	0.570	0.580	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.600	0.582
12	0.590	0.580	0.580	0.590	0.590	0.600	0.610	0.610	0.610	0.610	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.580	0.589
13	0.570	0.550	0.550	0.550	0.570	0.590	0.610	0.620	0.610	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.584
14	0.570	0.550	0.540	0.550	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.590	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.600	0.580
15	0.590	0.570	0.560	0.560	0.560	0.570	0.580	0.600	0.610	0.610	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.585
16Q	0.580	0.580	0.570	0.570	0.560	0.570	0.590	0.590	0.590	0.600	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.600	0.584
17	0.590	0.580	0.580	0.580	0.580	0.590	0.600	0.600	0.590	0.590	0.580	0.590	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.580	0.580	0.585
18	0.568	0.569	0.561	0.579	0.571	0.581	0.593	0.594	0.600	0.597	0.590	0.589	0.587	0.581	0.581	0.580	0.580	data lost						0.583	
19Q	data lost								0.601	0.599	0.592	0.589	0.588	0.590	0.586	0.580	0.580	0.580	0.580	0.580	0.585	0.590	0.589	0.590	0.587
20	0.570	0.550	0.550	0.560	0.580	0.590	0.590	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.583
21	0.580	0.560	0.550	0.560	0.570	0.570	0.570	0.570	0.590	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.590	0.600	0.590	0.590	0.590	0.581
22	0.580	0.570	0.570	0.590	0.590	0.600	0.600	0.610	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.587
23	0.580	0.560	0.550	0.550	0.560	0.570	0.580	0.600	0.610	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.570	0.570	0.580	0.570	0.570	0.580	0.580	0.590	0.580
24D	0.570	0.550	0.530	0.530	0.530	0.560	0.570	0.580	0.590	0.600	0.590	0.580	0.580	0.590	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.572
25	0.570	0.560	0.560	0.570	0.570	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.570	0.560	0.580	0.570	0.580	0.580	0.590	0.600	0.600	0.581
26D	0.580	0.570	0.570	0.570	0.570	0.580	0.590	0.600	0.600	0.600	0.600	0.590	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.583
27D	0.580	0.560	0.560	0.560	0.570	0.580	0.590	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.560	0.570	0.570	0.570	0.600	0.610	0.590	0.590	0.580
28	0.580	0.560	0.540	0.560	0.560	0.580	0.600	0.610	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.590	0.580	0.578
29	0.560	0.560	0.550	0.550	0.560	0.570	0.590	0.600	0.600	0.590	0.580	0.590	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.590	0.580	0.580	0.577
30	0.570	0.550	0.550	0.550	0.570	0.580	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.580
Mean	0.583	0.566	0.556	0.557	0.562	0.572	0.583	0.594	0.599	0.600	0.594	0.590	0.586	0.585	0.582	0.577	0.577	0.579	0.578	0.579	0.586	0.590	0.591	0.593	0.582
Q	0.590	0.577	0.560	0.557	0.553	0.560	0.577	0.583	0.595	0.597	0.595	0.590	0.590	0.590	0.587	0.583	0.580	0.580	0.580	0.586	0.590	0.590	0.595	0.595	0.583
D	0.583	0.563	0.553	0.550	0.555	0.573	0.583	0.598	0.600	0.598	0.590	0.585	0.583	0.583	0.575	0.570	0.573	0.575	0.575	0.578	0.588	0.593	0.590	0.590	0.579



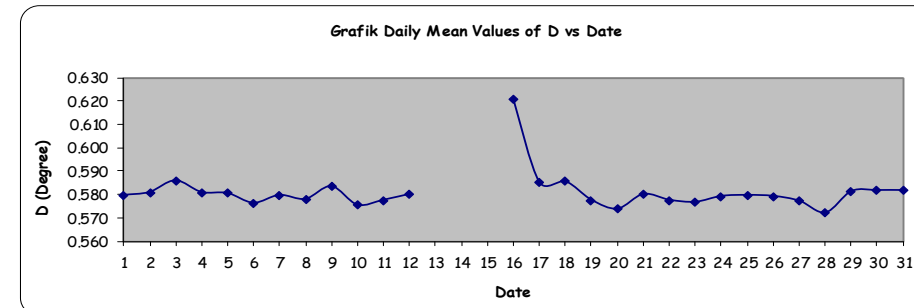
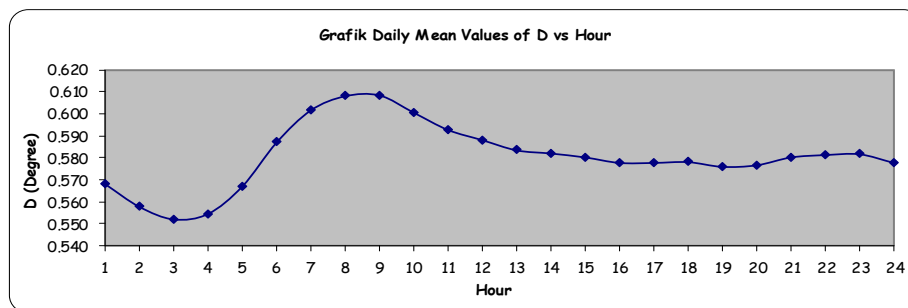


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

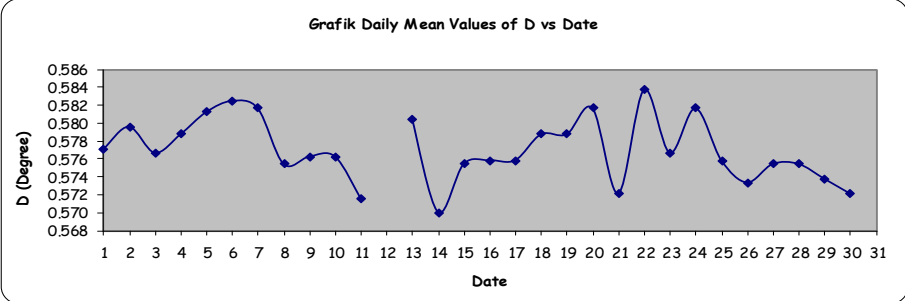
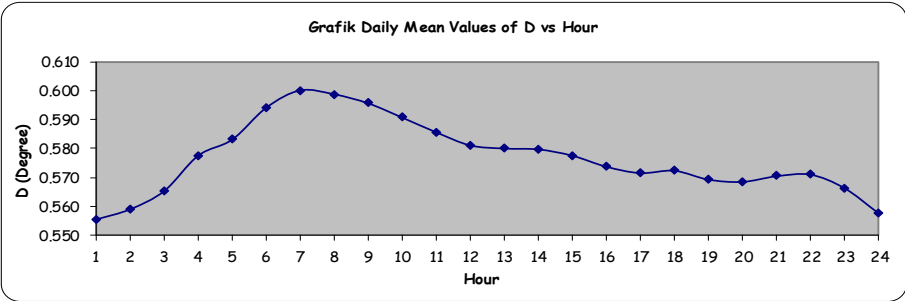
TANGERANG MAGNETIC OBSERVATORY

October-20

DATE	HOURL																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	0.570	0.550	0.540	0.550	0.560	0.580	0.580	0.590	0.590	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.580
2	0.580	0.560	0.560	0.550	0.550	0.570	0.590	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.570	0.570	0.580	0.570	0.580	0.590	0.590	0.590	0.590	0.581
3	0.580	0.560	0.560	0.560	0.570	0.590	0.610	0.610	0.610	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.586
4	0.570	0.550	0.550	0.560	0.560	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.581
5D	0.580	0.560	0.560	0.560	0.560	0.580	0.600	0.610	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.560	0.570	0.570	0.580	0.580	0.580	0.590	0.590	0.580	0.580
6	0.560	0.550	0.540	0.550	0.560	0.580	0.590	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.576
7	0.560	0.550	0.550	0.550	0.550	0.570	0.600	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.580
8Q	0.580	0.560	0.540	0.540	0.560	0.570	0.590	0.590	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.578
9Q	0.570	0.560	0.550	0.550	0.570	0.590	0.610	0.620	0.620	0.610	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.583
10Q	0.570	0.550	0.530	0.530	0.540	0.570	0.590	0.600	0.600	0.590	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.590	0.590	0.575
11	0.580	0.570	0.560	0.560	0.560	0.560	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.578
12	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.590	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580
13	DATA TIDAK TERSEDIA KARENA ADA KENDALA KONEKSI DIGITIZER DENGAN MINIPC																								
14																									
15																									
16	0.560	0.560	0.560	0.560	0.640	0.760	0.790	0.790	0.780	0.690	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.620
17	0.570	0.560	0.560	0.580	0.590	0.610	0.610	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.570	0.585
18	0.570	0.560	0.570	0.570	0.570	0.580	0.590	0.600	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.590	0.590	0.590	0.580	0.570	0.585
19	0.560	0.560	0.560	0.560	0.580	0.590	0.600	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.578
20	0.550	0.540	0.540	0.550	0.560	0.570	0.590	0.590	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.570	0.570	0.574
21	0.560	0.550	0.550	0.550	0.560	0.580	0.600	0.610	0.610	0.600	0.590	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
22	0.570	0.550	0.540	0.540	0.550	0.570	0.590	0.600	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.580	0.580	0.580	0.590	0.578
23	0.570	0.550	0.530	0.530	0.560	0.580	0.600	0.610	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.570	0.570	0.577
24D	0.570	0.570	0.570	0.560	0.580	0.590	0.600	0.600	0.610	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.570	0.570	0.579
25D	0.570	0.570	0.570	0.560	0.570	0.580	0.590	0.610	0.610	0.590	0.590	0.580	0.580	0.570	0.580	0.570	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.570	0.580
26D	0.560	0.560	0.550	0.560	0.580	0.590	0.600	0.580	0.590	0.600	0.600	0.590	0.590	0.580	0.570	0.580	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.579
27	0.570	0.560	0.560	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.570	0.570	0.560	0.577
28	0.540	0.540	0.540	0.550	0.570	0.580	0.580	0.580	0.580	0.580	0.590	0.590	0.580	0.580	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.570	0.572
29	0.560	0.560	0.550	0.560	0.570	0.600	0.610	0.610	0.610	0.610	0.590	0.590	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.581
30Q	0.580	0.570	0.550	0.550	0.560	0.580	0.600	0.620	0.610	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.570	0.582
31	0.580	0.570	0.550	0.550	0.560	0.580	0.600	0.620	0.610	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.570	0.582
Mean	0.568	0.558	0.552	0.555	0.567	0.587	0.602	0.608	0.609	0.601	0.593	0.588	0.584	0.582	0.580	0.578	0.578	0.578	0.576	0.577	0.580	0.581	0.582	0.578	0.581
Q	0.575	0.560	0.543	0.543	0.558	0.578	0.598	0.608	0.608	0.598	0.590	0.585	0.583	0.583	0.580	0.580	0.580	0.580	0.575	0.575	0.580	0.583	0.588	0.585	0.580
D	0.570	0.565	0.563	0.560	0.573	0.585	0.598	0.600	0.605	0.595	0.593	0.585	0.583	0.578	0.578	0.570	0.573	0.573	0.578	0.578	0.580	0.580	0.580	0.573	0.580



DECLINATION																										
HOURLY MEAN VALUES OF D : Tabular values in degrees																										
TANGERANG MAGNETIC OBSERVATORY																										
November-20																										
DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1D	0.560	0.550	0.540	0.550	0.570	0.590	0.590	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.570	0.570	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.577	
2	data lost						0.585	0.585	0.583	0.581	0.582	0.581	0.581	0.582	0.580	0.580	0.580	0.580	0.571	0.570	0.574	0.580	0.580	0.578	0.580	
3	0.570	0.560	0.560	0.570	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.577	
4Q	0.550	0.550	0.560	0.570	0.590	0.600	0.610	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.560	0.579	
5	0.560	0.570	0.580	0.580	0.580	0.590	0.600	0.610	0.610	0.610	0.590	0.590	0.580	0.580	0.580	0.570	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.581	
6	0.560	0.570	0.570	0.570	0.580	0.600	0.620	0.610	0.610	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.570	0.583	
7	0.570	0.580	0.580	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.580	0.580	0.570	0.582	
8	0.560	0.570	0.560	0.560	0.570	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.575	
9Q	0.570	0.570	0.570	0.560	0.570	0.580	0.590	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.576	
10Q	0.560	0.560	0.570	0.580	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.576	
11	0.557	0.556	0.562	0.564	0.579	0.596	0.599	0.589	0.571	0.570	0.572	0.572	0.571	0.572	0.570	0.570	0.567	0.560	0.560	data lost				0.572		
12	data lost																									
13	0.560	0.570	0.610	0.720	0.580	0.580	0.580	0.570	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.540	0.580		
14	0.540	0.540	0.550	0.560	0.570	0.580	0.590	0.590	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.570	0.570	0.580	0.570	0.560	0.540	0.570	
15	0.540	0.540	0.550	0.560	0.580	0.600	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.575	
16Q	0.560	0.560	0.560	0.580	0.590	0.600	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.550	0.576	
17	0.560	0.560	0.560	0.560	0.580	0.590	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.560	0.576	
18	0.560	0.560	0.560	0.570	0.580	0.600	0.610	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.560	0.579	
19	0.560	0.560	0.560	0.570	0.580	0.600	0.610	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.579	
20	0.550	0.550	0.580	0.590	0.610	0.630	0.620	0.610	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.582	
21D	0.550	0.560	0.560	0.560	0.580	0.590	0.590	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.550	0.540	0.550	0.572	
22D	0.540	0.550	0.550	0.570	0.590	0.610	0.640	0.640	0.640	0.620	0.600	0.590	0.580	0.590	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.584	
23D	0.550	0.560	0.570	0.580	0.580	0.590	0.600	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.577	
24	0.580	0.590	0.600	0.610	0.610	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.560	0.582	
25	0.560	0.560	0.560	0.580	0.590	0.610	0.620	0.610	0.600	0.590	0.590	0.570	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.560	0.550	0.530	0.576	
26	0.540	0.540	0.550	0.560	0.580	0.600	0.620	0.610	0.600	0.600	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.560	0.560	0.550	0.550	0.573	
27	0.550	0.570	0.590	0.600	0.600	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.560	0.560	0.550	0.540	0.575	
28	0.540	0.550	0.560	0.590	0.600	0.600	0.600	0.600	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.570	0.570	0.560	0.550	0.575	
29	0.550	0.550	0.560	0.570	0.580	0.580	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.580	0.570	0.570	0.570	0.570	0.580	0.550	0.574	
30	0.550	0.550	0.550	0.560	0.570	0.570	0.580	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.570	0.560	0.572	
Mean	0.556	0.559	0.565	0.578	0.583	0.594	0.600	0.599	0.596	0.591	0.586	0.581	0.580	0.580	0.580	0.578	0.574	0.572	0.572	0.569	0.569	0.571	0.571	0.566	0.558	0.577
Q	0.560	0.560	0.565	0.573	0.583	0.593	0.598	0.600	0.593	0.585	0.588	0.580	0.580	0.580	0.580	0.578	0.573	0.573	0.570	0.570	0.570	0.570	0.568	0.558	0.577	
D	0.550	0.555	0.555	0.565	0.580	0.595	0.605	0.608	0.608	0.603	0.593	0.585	0.580	0.583	0.573	0.570	0.573	0.570	0.570	0.570	0.570	0.570	0.565	0.565	0.577	

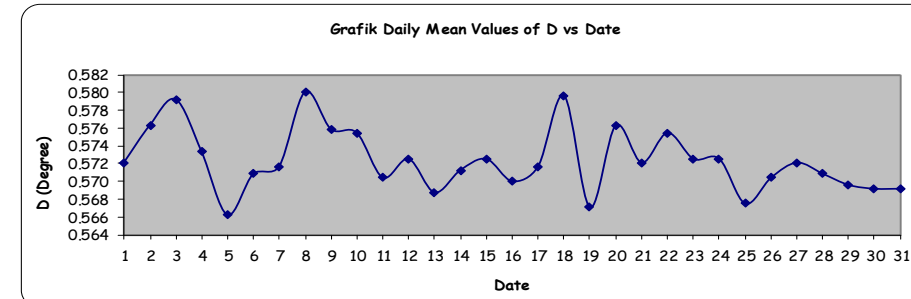
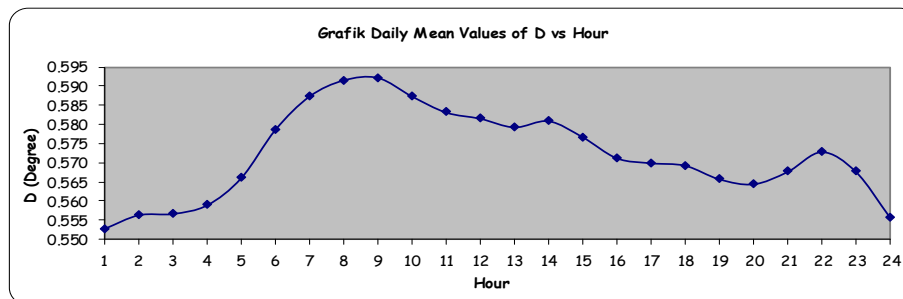


DECLINATION  
HOURLY MEAN VALUES OF D : Tabular values in degrees

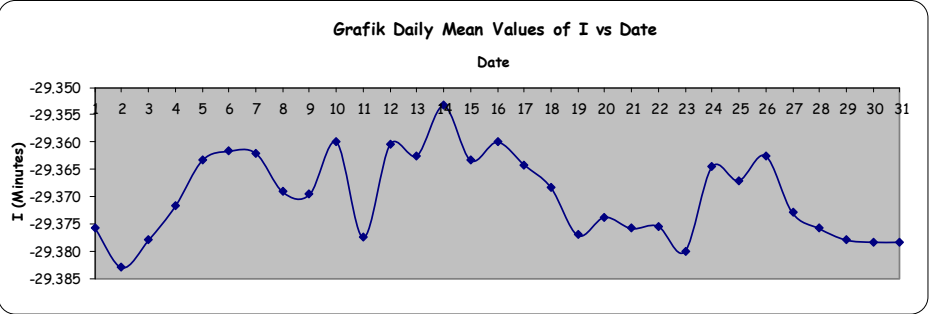
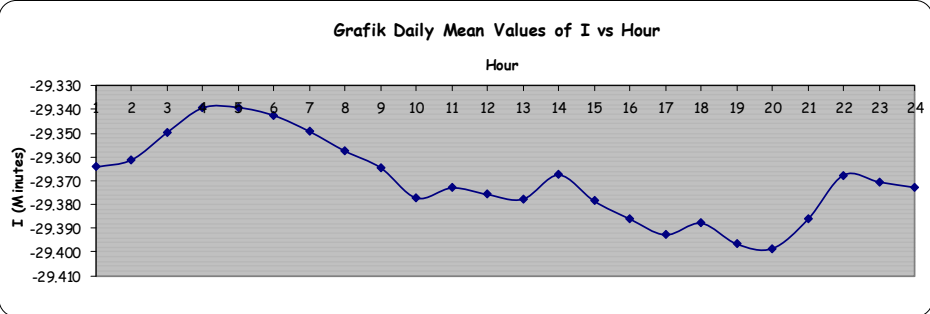
TANGERANG MAGNETIC OBSERVATORY

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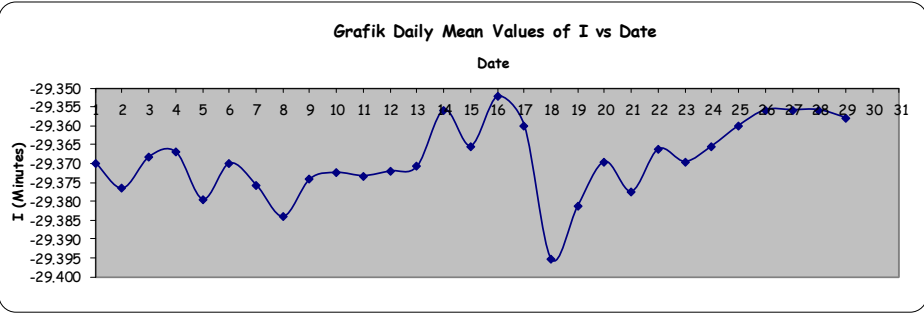
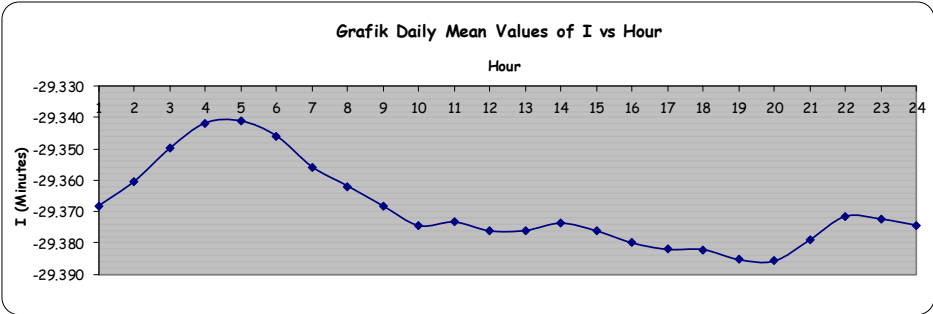
DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1Q	0.550	0.560	0.570	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.570	0.580	0.570	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.540	0.572
2	0.540	0.560	0.570	0.580	0.590	0.590	0.600	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.560	0.576
3	0.560	0.560	0.570	0.580	0.590	0.600	0.610	0.610	0.600	0.600	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.550	0.540	0.579
4Q	0.550	0.550	0.560	0.560	0.570	0.570	0.590	0.590	0.590	0.590	0.580	0.570	0.570	0.570	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.580	0.580	0.570	0.573
5	0.560	0.560	0.560	0.560	0.560	0.560	0.570	0.580	0.580	0.570	0.570	0.570	0.570	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.570	0.570	0.560	0.540	0.540	0.566
6	0.540	0.540	0.540	0.560	0.570	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.570	0.570	0.570	0.560	0.540	0.571
7	0.550	0.550	0.560	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.560	0.550	0.540	0.572
8	0.550	0.550	0.560	0.570	0.590	0.610	0.620	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.540	0.580
9	0.560	0.560	0.570	0.560	0.570	0.590	0.590	0.590	0.600	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.570	0.570	0.560	0.560	0.570	0.570	0.560	0.540	0.540	0.576
10	0.570	0.550	0.530	0.530	0.540	0.570	0.590	0.600	0.600	0.590	0.590	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.580	0.590	0.590	0.590	0.575
11	0.550	0.540	0.550	0.550	0.560	0.570	0.580	0.580	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.590	0.590	0.590	0.570
12	0.560	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.570	0.560	0.540	0.540	0.573
13	0.540	0.550	0.560	0.560	0.570	0.570	0.580	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.550	0.540	0.569
14	0.560	0.560	0.580	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.560	0.550	0.540	0.571
15	0.560	0.570	0.570	0.560	0.580	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.560	0.550	0.540	0.573
16	0.540	0.540	0.550	0.560	0.570	0.580	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.560	0.560	0.560	0.560	0.560	0.570	0.570	0.560	0.540	0.570
17	0.570	0.570	0.570	0.560	0.560	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.570	0.560	0.540	0.572
18	0.560	0.690	0.560	0.560	0.560	0.580	0.600	0.610	0.610	0.600	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.560	0.560	0.560	0.560	0.570	0.570	0.550	0.540	0.580
19	0.550	0.540	0.540	0.540	0.540	0.550	0.570	0.590	0.590	0.590	0.590	0.580	0.580	0.590	0.580	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.570	0.560	0.540	0.567
20	0.570	0.580	0.570	0.570	0.570	0.580	0.590	0.600	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.570	0.560	0.540	0.576
21D	0.550	0.540	0.540	0.550	0.560	0.580	0.580	0.590	0.590	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.540	0.572
22D	0.560	0.550	0.560	0.570	0.570	0.590	0.590	0.600	0.600	0.600	0.600	0.590	0.590	0.590	0.580	0.570	0.580	0.570	0.570	0.560	0.560	0.570	0.570	0.560	0.550	0.575
23D	0.550	0.540	0.550	0.560	0.570	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.590	0.570	0.570	0.570	0.570	0.560	0.560	0.570	0.570	0.560	0.540	0.540	0.573
24	0.550	0.560	0.570	0.570	0.580	0.580	0.590	0.600	0.600	0.590	0.580	0.580	0.560	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.570	0.570	0.560	0.540	0.540	0.573
25	0.540	0.540	0.560	0.560	0.560	0.570	0.570	0.570	0.580	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.560	0.560	0.560	0.570	0.570	0.560	0.540	0.568
26	0.550	0.550	0.560	0.560	0.560	0.570	0.580	0.590	0.590	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.560	0.560	0.560	0.560	0.570	0.570	0.560	0.540	0.570
27	0.560	0.550	0.540	0.530	0.540	0.570	0.590	0.610	0.610	0.600	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.560	0.540	0.572
28D	0.550	0.540	0.550	0.540	0.560	0.570	0.590	0.590	0.600	0.590	0.580	0.590	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.560	0.540	0.571
29	0.560	0.550	0.550	0.550	0.550	0.570	0.570	0.580	0.580	0.580	0.590	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.580	0.570	0.550	0.540	0.570
30	0.540	0.540	0.530	0.540	0.550	0.570	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.550	0.540	0.569
31Q	0.540	0.540	0.530	0.540	0.550	0.570	0.590	0.600	0.600	0.590	0.580	0.580	0.580	0.580	0.580	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.550	0.540	0.569
Mean	0.553	0.556	0.557	0.559	0.566	0.579	0.587	0.592	0.592	0.587	0.583	0.582	0.579	0.581	0.577	0.571	0.570	0.569	0.566	0.565	0.568	0.573	0.568	0.556	0.542	0.572
Q	0.555	0.550	0.548	0.550	0.563	0.585	0.598	0.600	0.603	0.593	0.588	0.585	0.583	0.585	0.580	0.575	0.573	0.573	0.568	0.568	0.568	0.573	0.575	0.573	0.565	0.575
D	0.550	0.553	0.563	0.563	0.565	0.570	0.578	0.585	0.588	0.583	0.578	0.578	0.573	0.578	0.573	0.570	0.570	0.568	0.565	0.560	0.568	0.570	0.565	0.553	0.542	0.569



INCLINATION																										
HOURLY MEAN VALUES OF I : Tabular values in Degrees																										
TANGERANG MAGNETIC OBSERVATORY																										
January-20																										
DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1	-29.340	-29.330	-29.320	-29.330	-29.320	-29.320	-29.360	-29.390	-29.400	-29.390	-29.390	-29.390	-29.380	-29.390	-29.390	-29.400	-29.400	-29.400	-29.400	-29.400	-29.400	-29.400	-29.400	-29.390	-29.390	-29.376
2	-29.390	-29.375	-29.369	-29.369	-29.355	-29.350	-29.357	-29.363	-29.380	-29.393	-29.391	-29.397	-29.397	-29.392	-29.393	-29.396	-29.402	-29.400	-29.400	-29.400	-29.400	-29.381	-29.365	-29.394	-29.385	-29.383
3D	-29.370	-29.360	-29.350	-29.310	-29.290	-29.330	-29.350	-29.360	-29.390	-29.410	-29.400	-29.400	-29.400	-29.390	-29.400	-29.410	-29.410	-29.400	-29.400	-29.400	-29.400	-29.350	-29.390	-29.400	-29.378	
4	-29.380	-29.380	-29.360	-29.360	-29.360	-29.340	-29.330	-29.340	-29.350	-29.360	-29.360	-29.360	-29.370	-29.370	-29.380	-29.390	-29.410	-29.400	-29.420	-29.410	-29.370	-29.370	-29.380	-29.370	-29.372	
5D	-29.360	-29.370	-29.350	-29.340	-29.340	-29.350	-29.340	-29.350	-29.340	-29.360	-29.360	-29.350	-29.370	-29.350	-29.370	-29.380	-29.390	-29.380	-29.410	-29.420	-29.380	-29.350	-29.350	-29.360	-29.363	
6	-29.360	-29.370	-29.360	-29.360	-29.330	-29.330	-29.330	-29.340	-29.330	-29.350	-29.350	-29.370	-29.370	-29.350	-29.380	-29.380	-29.390	-29.390	-29.410	-29.410	-29.370	-29.340	-29.350	-29.360	-29.362	
7	-29.350	-29.350	-29.330	-29.320	-29.340	-29.330	-29.340	-29.350	-29.340	-29.360	-29.360	-29.360	-29.370	-29.350	-29.360	-29.380	-29.400	-29.400	-29.400	-29.400	-29.400	-29.360	-29.370	-29.370	-29.362	
8	-29.360	-29.360	-29.350	-29.340	-29.350	-29.340	-29.330	-29.340	-29.350	-29.380	-29.360	-29.370	-29.380	-29.360	-29.390	-29.390	-29.400	-29.400	-29.410	-29.410	-29.410	-29.350	-29.360	-29.370	-29.369	
9D	-29.340	-29.350	-29.350	-29.320	-29.320	-29.340	-29.360	-29.370	-29.370	-29.390	-29.390	-29.380	-29.390	-29.360	-29.380	-29.390	-29.390	-29.380	-29.410	-29.410	-29.390	-29.360	-29.360	-29.370	-29.370	
10	-29.360	-29.350	-29.340	-29.320	-29.320	-29.330	-29.340	-29.350	-29.350	-29.360	-29.360	-29.370	-29.370	-29.340	-29.360	-29.370	-29.390	-29.370	-29.390	-29.400	-29.380	-29.370	-29.370	-29.380	-29.360	
11	-29.360	-29.360	-29.360	-29.350	-29.350	-29.350	-29.370	-29.380	-29.380	-29.400	-29.380	-29.380	-29.380	-29.370	-29.390	-29.390	-29.400	-29.390	-29.400	-29.400	-29.390	-29.370	-29.380	-29.380	-29.378	
12Q	-29.370	-29.370	-29.350	-29.320	-29.320	-29.320	-29.330	-29.330	-29.350	-29.370	-29.360	-29.370	-29.370	-29.350	-29.370	-29.380	-29.400	-29.380	-29.400	-29.400	-29.370	-29.360	-29.360	-29.350	-29.360	
13	-29.360	-29.360	-29.360	-29.340	-29.330	-29.330	-29.340	-29.340	-29.360	-29.370	-29.360	-29.360	-29.370	-29.350	-29.360	-29.380	-29.390	-29.380	-29.400	-29.400	-29.400	-29.350	-29.350	-29.360	-29.363	
14Q	-29.360	-29.350	-29.320	-29.300	-29.290	-29.310	-29.320	-29.310	-29.340	-29.360	-29.350	-29.360	-29.370	-29.360	-29.380	-29.390	-29.390	-29.380	-29.390	-29.380	-29.370	-29.350	-29.360	-29.370	-29.353	
15	-29.370	-29.360	-29.350	-29.330	-29.330	-29.330	-29.340	-29.360	-29.370	-29.390	-29.380	-29.360	-29.360	-29.350	-29.360	-29.380	-29.390	-29.380	-29.390	-29.390	-29.380	-29.350	-29.350	-29.370	-29.363	
16D	-29.360	-29.360	-29.330	-29.300	-29.300	-29.300	-29.310	-29.320	-29.340	-29.370	-29.380	-29.390	-29.390	-29.370	-29.380	-29.390	-29.390	-29.390	-29.400	-29.400	-29.380	-29.360	-29.360	-29.370	-29.360	
17	-29.360	-29.360	-29.340	-29.330	-29.350	-29.350	-29.340	-29.350	-29.350	-29.360	-29.350	-29.360	-29.360	-29.350	-29.370	-29.390	-29.390	-29.390	-29.390	-29.390	-29.380	-29.370	-29.380	-29.380	-29.364	
18	-29.360	-29.350	-29.340	-29.330	-29.320	-29.330	-29.350	-29.360	-29.370	-29.380	-29.390	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.380	-29.380	-29.380	-29.380	-29.368	
19	-29.370	-29.360	-29.350	-29.340	-29.350	-29.360	-29.370	-29.380	-29.380	-29.390	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.380	-29.390	-29.390	-29.390	-29.380	-29.390	-29.390	-29.377	
20Q	-29.380	-29.370	-29.370	-29.360	-29.360	-29.350	-29.360	-29.360	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.380	-29.380	-29.390	-29.380	-29.390	-29.390	-29.390	-29.380	-29.370	-29.370	-29.374	
21	-29.360	-29.350	-29.340	-29.340	-29.350	-29.360	-29.380	-29.390	-29.390	-29.380	-29.360	-29.360	-29.370	-29.360	-29.380	-29.400	-29.410	-29.390	-29.390	-29.390	-29.400	-29.400	-29.390	-29.390	-29.376	
22	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.340	-29.350	-29.370	-29.380	-29.390	-29.390	-29.400	-29.390	-29.390	-29.390	-29.390	-29.390	-29.390	-29.400	-29.400	-29.360	-29.350	-29.350	-29.375	
23Q	-29.360	-29.370	-29.360	-29.360	-29.360	-29.360	-29.370	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.380	-29.390	-29.400	-29.400	-29.400	-29.400	-29.400	-29.390	-29.390	-29.370	-29.370	-29.380	
24	-29.360	-29.360	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.350	-29.370	-29.360	-29.370	-29.370	-29.370	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.380	-29.370	-29.370	-29.360	-29.365	
25	-29.350	-29.350	-29.330	-29.330	-29.340	-29.360	-29.370	-29.370	-29.370	-29.380	-29.370	-29.370	-29.370	-29.360	-29.360	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.370	-29.370	-29.370	-29.367	
26	-29.370	-29.360	-29.340	-29.320	-29.310	-29.320	-29.330	-29.350	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.380	-29.370	-29.370	-29.370	-29.363	
27	-29.360	-29.360	-29.350	-29.340	-29.350	-29.350	-29.360	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.380	-29.380	-29.380	-29.380	-29.373	
28	-29.370	-29.370	-29.360	-29.360	-29.360	-29.360	-29.370	-29.380	-29.390	-29.390	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.390	-29.380	-29.390	-29.380	-29.380	-29.380	-29.380	-29.390	-29.376	
29	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.370	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.370	-29.370	-29.380	-29.380	-29.380	-29.390	-29.400	-29.390	-29.380	-29.370	-29.370	-29.378	
30	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.380	-29.390	-29.390	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.400	-29.380	-29.370	-29.370	-29.370	-29.378	
31	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.380	-29.390	-29.390	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.400	-29.380	-29.370	-29.370	-29.370	-29.378	
Mean	-29.364	-29.361	-29.350	-29.339	-29.339	-29.343	-29.349	-29.358	-29.365	-29.377	-29.373	-29.376	-29.378	-29.367	-29.378	-29.386	-29.393	-29.388	-29.396	-29.398	-29.386	-29.368	-29.370	-29.373	-29.370	
Q	-29.368	-29.365	-29.350	-29.335	-29.333	-29.335	-29.345	-29.345	-29.360	-29.370	-29.365	-29.375	-29.378	-29.365	-29.380	-29.385	-29.395	-29.385	-29.395	-29.398	-29.380	-29.370	-29.365	-29.365	-29.367	
D	-29.358	-29.360	-29.345	-29.318	-29.313	-29.330	-29.340	-29.350	-29.360	-29.383	-29.383	-29.380	-29.388	-29.368	-29.383	-29.393	-29.395	-29.388	-29.405	-29.408	-29.388	-29.355	-29.365	-29.375	-29.368	



INCLINATION																									
HOURLY MEAN VALUES OF I : Tabular values in Degrees																									
TANGERANG MAGNETIC OBSERVATORY																									
February-20																									
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	-29.370	-29.370	-29.350	-29.340	-29.340	-29.340	-29.350	-29.360	-29.360	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.380	-29.370	-29.370	-29.370	-29.370
2	-29.370	-29.380	-29.370	-29.370	-29.370	-29.360	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.370	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.380	-29.380	-29.390	-29.377
3	-29.371	-29.366	-29.360	-29.348	-29.355	-29.358	-29.361	-29.347	-29.347	-29.354	-29.364	-29.375	-29.376	-29.375	-29.380	-29.384	-29.389	-29.383	-29.390	-29.390	-29.375	-29.366	-29.365	-29.360	-29.368
4	-29.340	-29.340	-29.340	-29.330	-29.330	-29.340	-29.350	-29.360	-29.370	-29.380	-29.380	-29.380	-29.370	-29.370	-29.370	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.380	-29.380	-29.390	-29.367
5	-29.390	-29.380	-29.380	-29.370	-29.370	-29.360	-29.370	-29.360	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.390	-29.380	-29.380	-29.380
6D	-29.370	-29.360	-29.350	-29.340	-29.330	-29.330	-29.360	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.390	-29.390	-29.380	-29.390	-29.390	-29.370	-29.380	-29.380	-29.380	-29.370
7D	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.370	-29.380	-29.380	-29.380	-29.370	-29.370	-29.380	-29.380	-29.370	-29.390	-29.390	-29.380	-29.380	-29.390	-29.370	-29.360	-29.370	-29.370	-29.376
8	-29.380	-29.380	-29.370	-29.360	-29.360	-29.370	-29.380	-29.370	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.390	-29.390	-29.400	-29.390	-29.400	-29.400	-29.390	-29.390	-29.380	-29.390	-29.384
9	-29.380	-29.370	-29.350	-29.340	-29.330	-29.340	-29.360	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.390	-29.380	-29.380	-29.380	-29.390	-29.374
10	-29.380	-29.370	-29.350	-29.340	-29.340	-29.350	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.380	-29.370	-29.380	-29.373
11	-29.370	-29.360	-29.360	-29.340	-29.350	-29.360	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.380	-29.370	-29.370	-29.380	-29.373
12	-29.370	-29.360	-29.350	-29.340	-29.340	-29.340	-29.350	-29.350	-29.360	-29.380	-29.390	-29.390	-29.380	-29.380	-29.380	-29.380	-29.390	-29.390	-29.390	-29.390	-29.380	-29.380	-29.380	-29.390	-29.372
13Q	-29.380	-29.360	-29.350	-29.340	-29.340	-29.350	-29.360	-29.370	-29.380	-29.380	-29.380	-29.370	-29.380	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.371
14Q	-29.370	-29.360	-29.340	-29.330	-29.310	-29.300	-29.320	-29.330	-29.340	-29.360	-29.360	-29.370	-29.370	-29.360	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.356
15	-29.380	-29.370	-29.360	-29.350	-29.330	-29.330	-29.340	-29.340	-29.350	-29.360	-29.360	-29.380	-29.380	-29.380	-29.370	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.370	-29.380	-29.380	-29.365
16	-29.362	-29.351	-29.341	-29.331	-29.329	-29.320	-29.332	-29.337	-29.343	-29.350	-29.345	-29.352	-29.353	-29.347	-29.358	-29.367	-29.371	-29.369	-29.378	-29.382	-29.380	Lost	Lost	Lost	-29.352
17	-29.363	-29.363	-29.355	-29.344	-29.342	-29.337	-29.346	-29.341	-29.349	-29.356	-29.348	-29.353	-29.357	-29.356	-29.361	-29.368	-29.370	-29.379	-29.386	-29.385	-29.377	-29.367	-29.372	-29.363	-29.360
18D	-29.350	-29.340	-29.340	-29.340	-29.350	-29.370	-29.390	-29.410	-29.410	-29.410	-29.410	-29.410	-29.420	-29.410	-29.420	-29.450	-29.440	-29.440	-29.410	-29.410	-29.400	-29.390	-29.390	-29.380	-29.395
19	-29.380	-29.360	-29.350	-29.360	-29.380	-29.390	-29.380	-29.390	-29.400	-29.400	-29.400	-29.400	-29.400	-29.380	-29.370	-29.380	-29.380	-29.380	-29.390	-29.390	-29.380	-29.370	-29.370	-29.370	-29.381
20	-29.360	-29.350	-29.350	-29.350	-29.350	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.380	-29.390	-29.390	-29.390	-29.380	-29.370	-29.380	-29.380	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370
21D	-29.380	-29.370	-29.350	-29.350	-29.350	-29.370	-29.380	-29.380	-29.390	-29.400	-29.390	-29.380	-29.380	-29.380	-29.380	-29.380	-29.390	-29.380	-29.400	-29.390	-29.380	-29.370	-29.370	-29.370	-29.378
22	-29.360	-29.360	-29.350	-29.350	-29.340	-29.340	-29.350	-29.360	-29.360	-29.360	-29.370	-29.380	-29.370	-29.370	-29.380	-29.370	-29.390	-29.390	-29.380	-29.380	-29.370	-29.360	-29.370	-29.380	-29.366
23	-29.380	-29.370	-29.350	-29.340	-29.340	-29.350	-29.360	-29.370	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.370	-29.380	-29.380	-29.380	-29.370	-29.380	-29.380	-29.370
24Q	-29.370	-29.360	-29.350	-29.340	-29.350	-29.360	-29.370	-29.370	-29.370	-29.370	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.360	-29.360	-29.360	-29.365
25Q	-29.360	-29.350	-29.330	-29.310	-29.320	-29.330	-29.340	-29.350	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.370	-29.370	-29.370	-29.360
26	-29.360	-29.350	-29.340	-29.330	-29.320	-29.330	-29.330	-29.340	-29.360	-29.370	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.380	-29.380	-29.380	-29.380	-29.350	-29.350	-29.350	-29.356
27	-29.350	-29.340	-29.330	-29.310	-29.310	-29.320	-29.340	-29.340	-29.360	-29.380	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.350	-29.350	-29.350	-29.356
28	-29.350	-29.340	-29.330	-29.320	-29.320	-29.330	-29.340	-29.350	-29.350	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.356
29	-29.360	-29.350	-29.330	-29.320	-29.320	-29.330	-29.330	-29.350	-29.360	-29.370	-29.370	-29.380	-29.370	-29.370	-29.370	-29.360	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.360	-29.360	-29.358
Mean	-29.368	-29.360	-29.350	-29.342	-29.341	-29.346	-29.356	-29.362	-29.368	-29.374	-29.373	-29.376	-29.376	-29.374	-29.376	-29.380	-29.382	-29.382	-29.385	-29.386	-29.379	-29.372	-29.372	-29.374	-29.369
Q	-29.370	-29.358	-29.343	-29.330	-29.330	-29.335	-29.348	-29.355	-29.363	-29.370	-29.368	-29.370	-29.373	-29.368	-29.370	-29.373	-29.373	-29.375	-29.380	-29.380	-29.375	-29.370	-29.370	-29.370	-29.363
D	-29.368	-29.360	-29.353	-29.353	-29.353	-29.360	-29.375	-29.388	-29.390	-29.390	-29.385	-29.383	-29.388	-29.385	-29.388	-29.403	-29.403	-29.395	-29.395	-29.395	-29.380	-29.375	-29.378	-29.375	-29.380

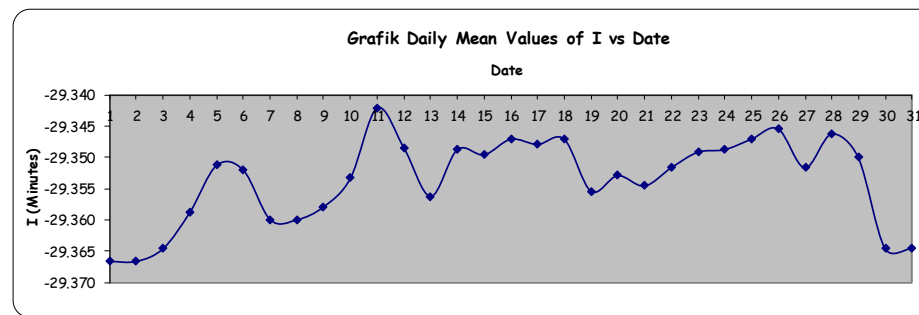
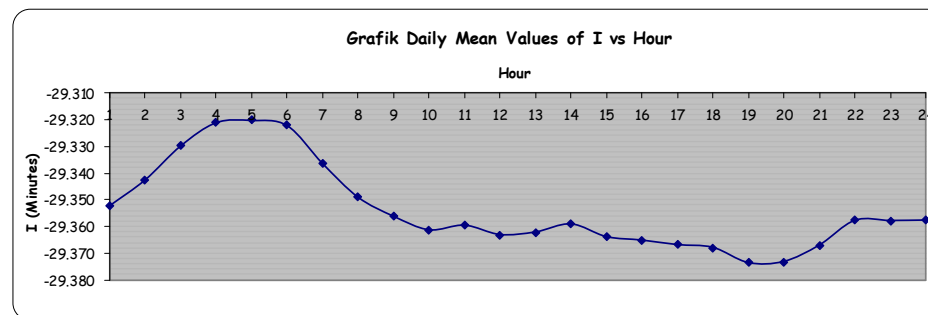


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

March-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	-29.360	-29.360	-29.360	-29.350	-29.350	-29.350	-29.360	-29.370	-29.380	-29.380	-29.380	-29.380	-29.360	-29.360	-29.360	-29.370	-29.370	-29.380	-29.380	-29.380	-29.360	-29.360	-29.370	-29.367	
2	-29.370	-29.370	-29.360	-29.360	-29.360	-29.350	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.380	-29.380	-29.380	-29.360	-29.360	-29.370	-29.367
3	-29.360	-29.360	-29.350	-29.340	-29.340	-29.340	-29.350	-29.360	-29.360	-29.370	-29.370	-29.380	-29.380	-29.370	-29.370	-29.360	-29.370	-29.380	-29.380	-29.380	-29.370	-29.370	-29.370	-29.370	-29.365
4D	-29.360	-29.350	-29.340	-29.330	-29.320	-29.320	-29.330	-29.350	-29.360	-29.360	-29.370	-29.370	-29.360	-29.360	-29.380	-29.380	-29.370	-29.380	-29.390	-29.390	-29.370	-29.360	-29.350	-29.360	-29.359
5	-29.350	-29.330	-29.310	-29.310	-29.310	-29.320	-29.330	-29.350	-29.350	-29.360	-29.360	-29.370	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.360	-29.360	-29.351
6	-29.360	-29.340	-29.330	-29.310	-29.310	-29.310	-29.310	-29.340	-29.340	-29.350	-29.360	-29.380	-29.380	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.360	-29.360	-29.352
7	-29.350	-29.340	-29.330	-29.330	-29.330	-29.340	-29.360	-29.370	-29.380	-29.370	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.360	-29.360	-29.360
8	-29.360	-29.350	-29.330	-29.330	-29.330	-29.330	-29.340	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.370	-29.370	-29.370	-29.370	-29.370	-29.380	-29.370	-29.360	-29.360	-29.360	-29.360
9	-29.350	-29.340	-29.320	-29.320	-29.330	-29.340	-29.360	-29.370	-29.370	-29.370	-29.360	-29.350	-29.360	-29.360	-29.370	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.358
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11Q	-29.350	-29.330	-29.310	-29.300	-29.300	-29.300	-29.320	-29.340	-29.350	-29.360	-29.360	-29.360	-29.350	-29.340	-29.330	-29.350	-29.360	-29.360	-29.370	-29.370	-29.360	-29.350	-29.350	-29.340	-29.342
12	-29.329	-29.327	-29.321	-29.320	-29.324	-29.324	-29.338	-29.351	-29.353	-29.351	-29.347	-29.336	-29.306	-29.352	-29.361	-29.371	-29.374	-29.366	-29.374	-29.390	-29.369	-29.360	-29.362	-29.357	-29.348
13D	-29.340	-29.320	-29.320	-29.320	-29.310	-29.320	-29.350	-29.370	-29.370	-29.380	-29.370	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.370	-29.380	-29.380	-29.370	-29.370	-29.360	-29.360	-29.356
14Q	-29.360	-29.340	-29.320	-29.310	-29.310	-29.310	-29.330	-29.350	-29.350	-29.360	-29.360	-29.360	-29.360	-29.340	-29.350	-29.360	-29.360	-29.370	-29.370	-29.370	-29.360	-29.350	-29.360	-29.360	-29.349
15	-29.350	-29.340	-29.330	-29.310	-29.310	-29.310	-29.330	-29.330	-29.340	-29.350	-29.360	-29.370	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.370	-29.360	-29.370	-29.360	-29.350
16	-29.350	-29.340	-29.320	-29.310	-29.320	-29.310	-29.330	-29.330	-29.350	-29.350	-29.340	-29.350	-29.350	-29.350	-29.360	-29.370	-29.370	-29.380	-29.380	-29.370	-29.360	-29.350	-29.350	-29.340	-29.347
17	-29.340	-29.340	-29.320	-29.310	-29.310	-29.310	-29.330	-29.290	-29.360	-29.380	-29.370	-29.370	-29.360	-29.360	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.360	-29.350	-29.350	-29.350	-29.348
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19D	-29.350	-29.340	-29.320	-29.320	-29.320	-29.330	-29.340	-29.350	-29.360	-29.360	-29.370	-29.370	-29.370	-29.350	-29.360	-29.350	-29.370	-29.380	-29.380	-29.380	-29.380	-29.360	-29.360	-29.360	-29.355
20	-29.360	-29.340	-29.320	-29.320	-29.310	-29.310	-29.330	-29.350	-29.360	-29.370	-29.350	-29.350	-29.340	-29.340	-29.350	-29.370	-29.380	-29.380	-29.380	-29.390	-29.380	-29.360	-29.370	-29.360	-29.353
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24Q	-29.360	-29.350	-29.330	-29.310	-29.310	-29.310	-29.320	-29.340	-29.350	-29.360	-29.350	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.360	-29.360	-29.350	-29.350	-29.349
25Q	-29.350	-29.340	-29.320	-29.300	-29.290	-29.300	-29.320	-29.340	-29.350	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.370	-29.350	-29.360	-29.360	-29.347
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30	-29.360	-29.360	-29.370	-29.370	-29.370	-29.350	-29.360	-29.370	-29.350	-29.350	-29.350	-29.360	-29.380	-29.380	-29.380	-29.380	-29.360	-29.360	-29.380	-29.370	-29.360	-29.360	-29.360	-29.360	-29.365
31	-29.360	-29.360	-29.370	-29.370	-29.370	-29.350	-29.360	-29.370	-29.350	-29.350	-29.350	-29.360	-29.380	-29.380	-29.380	-29.380	-29.360	-29.360	-29.380	-29.370	-29.360	-29.360	-29.360	-29.360	-29.365
Mean	-29.352	-29.342	-29.330	-29.321	-29.320	-29.322	-29.336	-29.349	-29.356	-29.361	-29.360	-29.363	-29.362	-29.359	-29.364	-29.365	-29.367	-29.368	-29.374	-29.373	-29.367	-29.358	-29.358	-29.358	-29.354
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D	-29.353	-29.340	-29.328	-29.320	-29.315	-29.323	-29.343	-29.360	-29.365	-29.368	-29.368	-29.368	-29.363	-29.358	-29.368	-29.368	-29.370	-29.375	-29.380	-29.380	-29.373	-29.360	-29.355	-29.355	-29.356



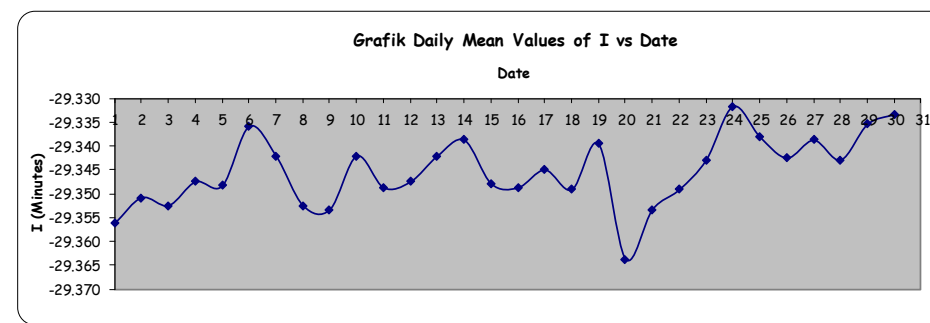
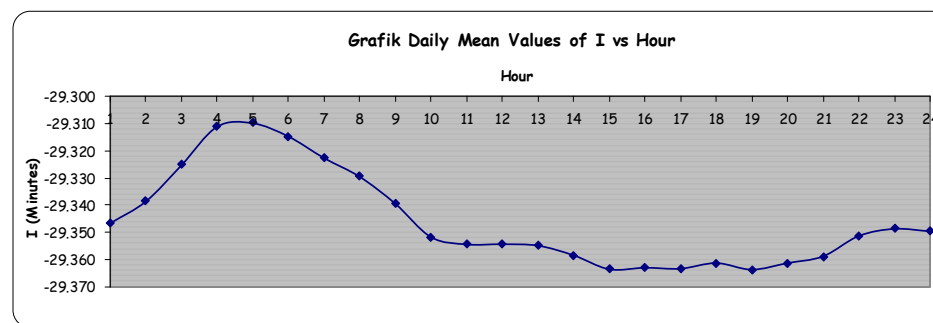


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

April-20

DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1	-29.360	-29.350	-29.340	-29.340	-29.330	-29.320	-29.330	-29.340	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.380	-29.380	-29.370	-29.360	-29.370	-29.360	-29.356	
2	-29.350	-29.330	-29.310	-29.300	-29.310	-29.320	-29.330	-29.350	-29.370	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.370	-29.360	-29.360	-29.370	-29.370	-29.370	-29.370	-29.351	
3	-29.360	-29.350	-29.340	-29.320	-29.320	-29.330	-29.330	-29.340	-29.350	-29.360	-29.360	-29.350	-29.350	-29.360	-29.370	-29.370	-29.370	-29.370	-29.380	-29.370	-29.360	-29.350	-29.350	-29.350	-29.353	
4	-29.360	-29.340	-29.320	-29.300	-29.300	-29.310	-29.320	-29.330	-29.340	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.370	-29.360	-29.370	-29.360	-29.360	-29.360	-29.348	
5	-29.360	-29.340	-29.330	-29.320	-29.300	-29.300	-29.310	-29.320	-29.340	-29.350	-29.360	-29.360	-29.370	-29.370	-29.370	-29.360	-29.360	-29.360	-29.370	-29.370	-29.360	-29.360	-29.360	-29.360	-29.348	
6Q	-29.350	-29.330	-29.310	-29.300	-29.300	-29.310	-29.320	-29.330	-29.330	-29.340	-29.330	-29.340	-29.330	-29.330	-29.340	-29.340	-29.350	-29.360	-29.360	-29.360	-29.360	-29.340	-29.350	-29.350	-29.336	
7	-29.340	-29.340	-29.320	-29.300	-29.300	-29.300	-29.320	-29.330	-29.340	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.360	-29.360	-29.360	-29.360	-29.370	-29.360	-29.340	-29.350	-29.360	-29.342	
8D	-29.350	-29.330	-29.310	-29.300	-29.320	-29.310	-29.310	-29.330	-29.350	-29.370	-29.380	-29.370	-29.370	-29.360	-29.380	-29.380	-29.380	-29.380	-29.380	-29.380	-29.370	-29.360	-29.360	-29.350	-29.360	-29.353
9	-29.350	-29.350	-29.330	-29.320	-29.320	-29.330	-29.340	-29.350	-29.350	-29.350	-29.360	-29.360	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.370	-29.360	-29.360	-29.350	-29.360	-29.353	
10	-29.350	-29.340	-29.320	-29.300	-29.310	-29.310	-29.330	-29.330	-29.330	-29.350	-29.340	-29.340	-29.350	-29.350	-29.360	-29.360	-29.370	-29.350	-29.370	-29.360	-29.360	-29.350	-29.340	-29.340	-29.342	
1	-29.340	-29.330	-29.320	-29.310	-29.300	-29.310	-29.320	-29.330	-29.340	-29.340	-29.340	-29.350	-29.350	-29.370	-29.390	-29.380	-29.390	-29.390	-29.380	-29.370	-29.370	-29.350	-29.350	-29.350	-29.349	
12D	-29.340	-29.330	-29.320	-29.310	-29.310	-29.320	-29.330	-29.340	-29.350	-29.360	-29.350	-29.350	-29.350	-29.360	-29.360	-29.370	-29.370	-29.370	-29.360	-29.360	-29.370	-29.360	-29.350	-29.350	-29.348	
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14	-29.340	-29.330	-29.310	-29.310	-29.290	-29.300	-29.300	-29.310	-29.340	-29.360	-29.350	-29.350	-29.340	-29.350	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.350	-29.340	-29.350	-29.350	-29.339	
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19Q	-29.340	-29.340	-29.320	-29.300	-29.290	-29.300	-29.310	-29.320	-29.330	-29.340	-29.350	-29.350	-29.350	-29.350	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.360	-29.350	-29.340	-29.350	-29.340	
20D	-29.340	-29.340	-29.310	-29.290	-29.290	-29.290	-29.300	-29.310	-29.340	-29.400	-29.450	-29.450	-29.460	-29.440	-29.410	-29.380	-29.380	-29.380	-29.370	-29.370	-29.370	-29.360	-29.350	-29.350	-29.364	
21D	-29.350	-29.340	-29.330	-29.300	-29.300	-29.300	-29.320	-29.330	-29.340	-29.350	-29.350	-29.380	-29.400	-29.390	-29.380	-29.380	-29.380	-29.360	-29.370	-29.370	-29.370	-29.360	-29.360	-29.360	-29.353	
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23	-29.350	-29.350	-29.340	-29.320	-29.320	-29.330	-29.330	-29.330	-29.340	-29.350	-29.350	-29.340	-29.340	-29.350	-29.360	-29.360	-29.350	-29.350	-29.350	-29.350	-29.350	-29.340	-29.340	-29.340	-29.343	
24	-29.333	-29.329	-29.326	-29.304	-29.304	-29.306	-29.313	-29.318	-29.337	-29.348	-29.347	-29.347	-29.347	-29.356	-29.360										-29.332	
25			-29.319	-29.304	-29.306	-29.312	-29.324	-29.327	-29.337	-29.345	-29.348	-29.345	-29.342	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.347	-29.349	-29.343	-29.340	-29.338
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30Q	-29.340	-29.340	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.330	-29.340	-29.350	-29.340	-29.330	-29.340	-29.350	-29.350	-29.340	-29.340	-29.350	-29.350	-29.340	-29.330	-29.330	-29.330	-29.333	
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D	-29.345	-29.335	-29.318	-29.300	-29.305	-29.305	-29.315	-29.328	-29.345	-29.370	-29.383	-29.388	-29.395	-29.388	-29.383	-29.378	-29.378	-29.373	-29.370	-29.368	-29.368	-29.363	-29.353	-29.355	-29.354	

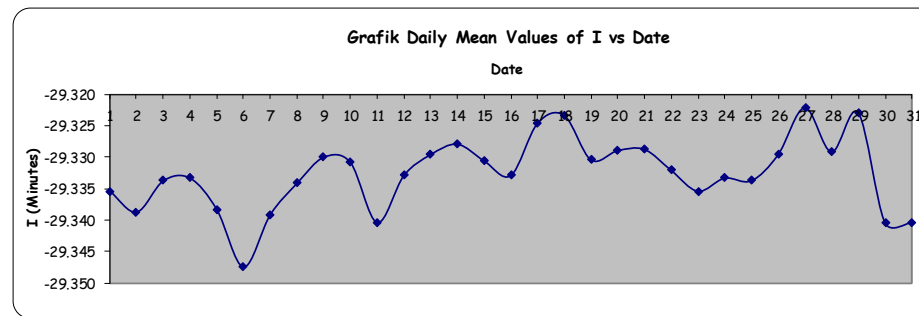
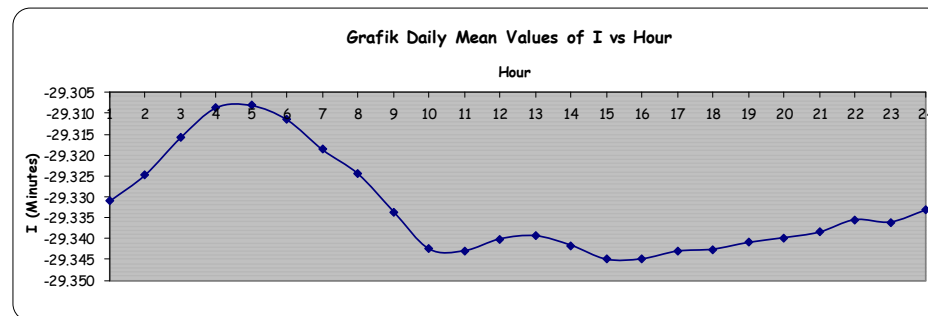


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

May-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	-29.320	-29.310	-29.300	-29.290	-29.290	-29.300	-29.310	-29.330	-29.350	-29.360	-29.350	-29.360	-29.360	-29.360	-29.360	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.340	-29.340	-29.340	-29.335
2	-29.330	-29.320	-29.310	-29.300	-29.300	-29.310	-29.320	-29.330	-29.350	-29.350	-29.350	-29.360	-29.360	-29.360	-29.360	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.340	-29.340	-29.340	-29.339
3	-29.330	-29.330	-29.330	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.350	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.320	-29.330	-29.330	-29.334
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5D	-29.340	-29.340	-29.330	-29.320	-29.310	-29.300	-29.310	-29.320	-29.340	-29.350	-29.350	-29.340	-29.330	-29.340	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.338
6	-29.340	-29.340	-29.330	-29.330	-29.340	-29.340	-29.350	-29.350	-29.350	-29.360	-29.350	-29.350	-29.350	-29.350	-29.360	-29.360	-29.350	-29.350	-29.350	-29.350	-29.350	-29.350	-29.340	-29.350	-29.348
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13	-29.330	-29.320	-29.300	-29.300	-29.300	-29.300	-29.300	-29.330	-29.330	-29.340	-29.350	-29.340	-29.340	-29.340	-29.350	-29.350	-29.350	-29.350	-29.350	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330
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24D	-29.330	-29.330	-29.320	-29.320	-29.310	-29.300	-29.310	-29.320	-29.330	-29.340	-29.340	-29.330	-29.340	-29.340	-29.340	-29.350	-29.340	-29.350	-29.350	-29.350	-29.350	-29.340	-29.340	-29.330	-29.333
25	-29.340	-29.330	-29.330	-29.330	-29.320	-29.310	-29.320	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.334
26	-29.328	-29.318	-29.310	-29.306	-29.300	-29.298	-29.309	-29.317	-29.328	-29.338	-29.344	-29.342	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.332	-29.330
27	-29.330	-29.320	-29.310	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.322
28	-29.320	-29.320	-29.310	-29.310	-29.320	-29.320	-29.320	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.350	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.320	-29.330	-29.320	-29.329
29Q	-29.320	-29.310	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.320	-29.340	-29.340	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.320	-29.320	-29.310	-29.323
30D	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.350	-29.340	-29.340	-29.340	-29.350	-29.350	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340
31	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.350	-29.340	-29.340	-29.340	-29.350	-29.350	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340
Mean	-29.331	-29.325	-29.316	-29.309	-29.308	-29.312	-29.319	-29.324	-29.334	-29.343	-29.343	-29.340	-29.339	-29.342	-29.345	-29.345	-29.343	-29.343	-29.341	-29.340	-29.338	-29.335	-29.336	-29.333	-29.333
Q	-29.328	-29.319	-29.309	-29.302	-29.302	-29.308	-29.313	-29.319	-29.327	-29.336	-29.340	-29.335	-29.335	-29.335	-29.339	-29.340	-29.340	-29.340	-29.337	-29.336	-29.333	-29.328	-29.329	-29.326	-29.327
D	-29.333	-29.330	-29.323	-29.315	-29.310	-29.308	-29.318	-29.328	-29.340	-29.350	-29.345	-29.338	-29.340	-29.348	-29.350	-29.353	-29.345	-29.348	-29.348	-29.348	-29.348	-29.343	-29.343	-29.340	-29.337

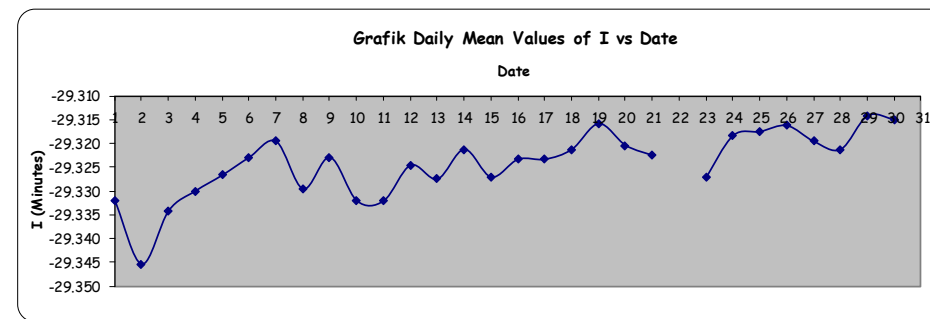
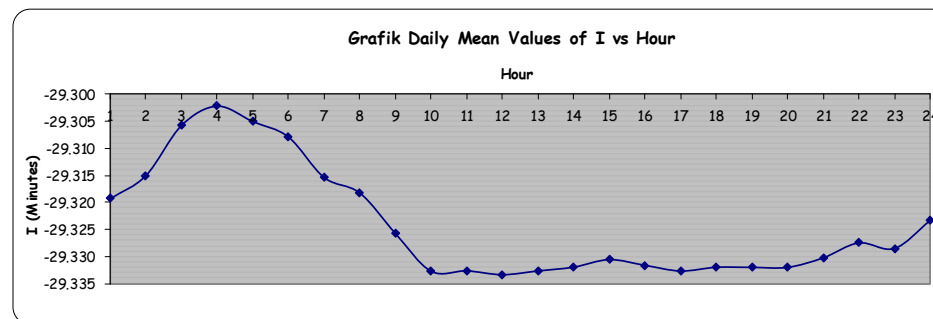


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

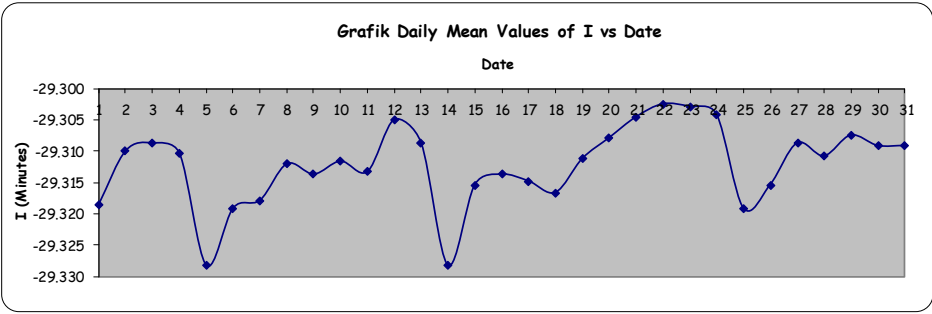
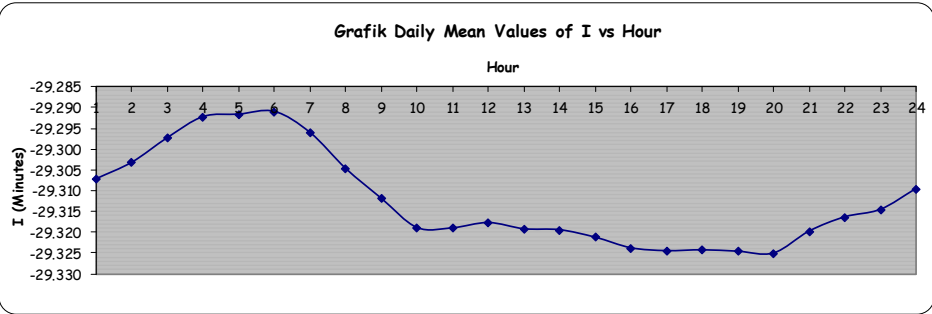
## TANGERANG MAGNETIC OBSERVATORY

June-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	-29.330	-29.330	-29.320	-29.310	-29.310	-29.310	-29.320	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.332
2D	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.340	-29.350	-29.360	-29.370	-29.370	-29.360	-29.360	-29.360	-29.350	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.345
3	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.334
4	-29.330	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330
5	-29.330	-29.320	-29.310	-29.300	-29.300	-29.300	-29.310	-29.310	-29.320	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.327
6	-29.320	-29.320	-29.310	-29.300	-29.300	-29.300	-29.310	-29.310	-29.320	-29.330	-29.330	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.330	-29.330	-29.323
7D	-29.320	-29.320	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.340	-29.330	-29.330	-29.330	-29.320
8	-29.320	-29.310	-29.300	-29.310	-29.320	-29.320	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330
9	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.340	-29.330	-29.330	-29.330	-29.320	-29.323
10D	-29.320	-29.310	-29.310	-29.300	-29.310	-29.310	-29.340	-29.340	-29.340	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.340	-29.330	-29.330	-29.332
11	-29.320	-29.320	-29.310	-29.320	-29.320	-29.320	-29.330	-29.310	-29.340	-29.350	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.332
12	-29.320	-29.320	-29.310	-29.300	-29.310	-29.310	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.325
13Q	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.328
14Q	-29.310	-29.310	-29.310	-29.300	-29.310	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.321
15	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.327
16	-29.320	-29.320	-29.310	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.330	-29.330	-29.330	-29.340	-29.340	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.320	-29.320	-29.323
17	-29.320	-29.310	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.323
18	-29.320	-29.310	-29.310	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.321
19	-29.310	-29.290	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.320	-29.320	-29.320	-29.330	-29.330	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.316
20	-29.320	-29.310	-29.290	-29.280	-29.280	-29.290	-29.320	-29.330	-29.330	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.330	-29.320	-29.320
21	-29.320	-29.320	-29.310	-29.300	-29.300	-29.310	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.323
22	MAINTENANCE INSKAL																								
23	MAINTENANCE GLOBALINDO									-29.329	-29.327	-29.327	-29.327	-29.327	-29.326	-29.327	-29.327	-29.328	-29.328	-29.328	-29.327	-29.326	-29.327	-29.327	-29.327
24	-29.320	-29.320	-29.310	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.318
25Q	-29.310	-29.310	-29.290	-29.290	-29.290	-29.300	-29.310	-29.320	-29.320	-29.330	-29.330	-29.320	-29.330	-29.330	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.318
26	-29.310	-29.310	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.320	-29.330	-29.320	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.310	-29.316
27D	-29.310	-29.310	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.320	-29.320	-29.330	-29.330	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320
28Q	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.321
29	-29.310	-29.300	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.314
30	-29.310	-29.310	-29.290	-29.280	-29.290	-29.300	-29.300	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.330	-29.320	-29.315
Mean	-29.319	-29.315	-29.306	-29.302	-29.305	-29.308	-29.315	-29.318	-29.326	-29.333	-29.333	-29.333	-29.333	-29.332	-29.331	-29.332	-29.333	-29.332	-29.332	-29.332	-29.330	-29.327	-29.329	-29.323	-29.324
Q	-29.315	-29.313	-29.308	-29.305	-29.308	-29.313	-29.315	-29.320	-29.325	-29.330	-29.330	-29.328	-29.330	-29.330	-29.328	-29.330	-29.333	-29.328	-29.328	-29.328	-29.323	-29.323	-29.323	-29.318	-29.322
D	-29.323	-29.320	-29.310	-29.308	-29.310	-29.313	-29.323	-29.328	-29.335	-29.343	-29.343	-29.340	-29.338	-29.335	-29.335	-29.335	-29.333	-29.333	-29.333	-29.335	-29.338	-29.333	-29.333	-29.330	-29.329



INCLINATION																											
HOURLY MEAN VALUES OF I : Tabular values in Degrees																											
TANGERANG MAGNETIC OBSERVATORY																											
July-20																											
DATE	HOUR																							MEAN			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23		
1	-29.316	-29.307	-29.304	-29.308	-29.309	-29.311	-29.308	-29.313	-29.325	-29.332	-29.331	-29.326	-29.323	-29.321	-29.323	-29.329	-29.327	-29.320								-29.319	
2			-29.310	-29.305	-29.304	-29.306	-29.293	-29.281	-29.293	-29.307	-29.312	-29.314	-29.314	-29.316	-29.318	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.314	-29.310	-29.315	-29.309	-29.310	
3	-29.300	-29.290	-29.290	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.320	-29.320	-29.320	-29.320	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.309	
4	-29.310	-29.310	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.310	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.310	
5D	-29.330	-29.320	-29.310	-29.310	-29.310	-29.320	-29.320	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.340	-29.340	-29.340	-29.340	-29.340	-29.320	-29.320	-29.320	-29.320	-29.320	-29.328	
6	-29.310	-29.300	-29.300	-29.290	-29.290	-29.300	-29.300	-29.320	-29.330	-29.330	-29.330	-29.330	-29.320	-29.330	-29.330	-29.340	-29.340	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.319	
7	-29.310	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.320	-29.320	-29.330	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.310	-29.318	
8Q	-29.310	-29.310	-29.300	-29.300	-29.290	-29.270	-29.280	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.312		
9	-29.310	-29.300	-29.290	-29.270	-29.270	-29.280	-29.290	-29.310	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.314	
10Q	-29.320	-29.310	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.320	-29.300	-29.300	-29.290	-29.312		
11	-29.290	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.313	
12	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.300	-29.305		
13	-29.290	-29.290	-29.280	-29.290	-29.280	-29.280	-29.280	-29.290	-29.310	-29.320	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.309	
14D	-29.330	-29.320	-29.330	-29.340	-29.330	-29.330	-29.340	-29.340	-29.330	-29.340	-29.340	-29.340	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.300	-29.300	-29.300	-29.328	
15	-29.300	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.315	
16	-29.310	-29.300	-29.290	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.340	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.310	-29.310	-29.314	
17	-29.310	-29.309	-29.301	-29.296	-29.298	-29.304	-29.308	-29.313	-29.322	-29.328	-29.327	-29.321	-29.320	-29.318	-29.319	-29.320	-29.324	-29.324	-29.324	-29.320	-29.323	-29.320	-29.312	-29.312	-29.307	-29.315	
18	-29.300	-29.310	-29.300	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.330	-29.320	-29.320	-29.320	-29.320	-29.330	-29.320	-29.320	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.310	-29.317		
19	-29.310	-29.300	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.320	-29.320	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.311		
20Q	-29.310	-29.310	-29.300	-29.300	-29.300	-29.290	-29.300	-29.310	-29.300	-29.310	-29.310	-29.300	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.300	-29.308		
21	-29.300	-29.290	-29.280	-29.280	-29.270	-29.270	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.300	-29.305		
22	-29.300	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.300	-29.303		
23	-29.300	-29.300	-29.290	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.300	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.300	-29.300	-29.290	-29.303		
24D	-29.290	-29.290	-29.280	-29.270	-29.270	-29.230	-29.240	-29.270	-29.280	-29.300	-29.300	-29.290	-29.310	-29.330	-29.340	-29.360	-29.330	-29.340	-29.340	-29.340	-29.330	-29.330	-29.320	-29.320	-29.320	-29.304	
25D	-29.320	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.320	-29.320	-29.320	-29.300	-29.319		
26Q	-29.300	-29.300	-29.310	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.320	-29.320	-29.310	-29.310	-29.315		
27	-29.310	-29.310	-29.300	-29.290	-29.290	-29.280	-29.300	-29.300	-29.310	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.309		
28	-29.310	-29.310	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.311		
29	-29.310	-29.310	-29.300	-29.290	-29.290	-29.280	-29.280	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.308	
30	-29.310	-29.310	-29.300	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.320	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.309		
31	-29.310	-29.310	-29.300	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.320	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.309		
Mean	-29.307	-29.303	-29.297	-29.292	-29.292	-29.291	-29.296	-29.305	-29.312	-29.319	-29.319	-29.318	-29.319	-29.319	-29.321	-29.324	-29.325	-29.324	-29.325	-29.325	-29.325	-29.320	-29.316	-29.315	-29.310	-29.312	
Q	-29.310	-29.308	-29.303	-29.298	-29.295	-29.290	-29.298	-29.308	-29.310	-29.318	-29.318	-29.315	-29.318	-29.318	-29.318	-29.318	-29.324	-29.323	-29.325	-29.328	-29.328	-29.318	-29.313	-29.310	-29.303	-29.312	
D	-29.318	-29.310	-29.310	-29.310	-29.308	-29.300	-29.303	-29.313	-29.320	-29.325	-29.325	-29.323	-29.325	-29.328	-29.330	-29.338	-29.330	-29.333	-29.335	-29.335	-29.323	-29.318	-29.315	-29.310	-29.310	-29.320	

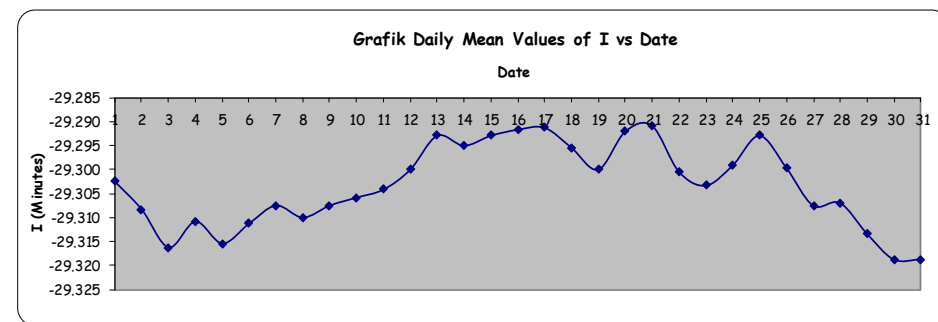
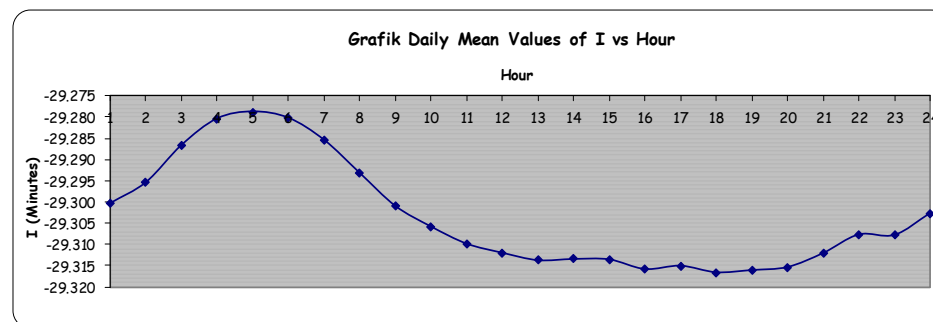


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

## TANGERANG MAGNETIC OBSERVATORY

August-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1Q	-29.300	-29.300	-29.290	-29.280	-29.280	-29.280	-29.280	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.303	
2D	-29.290	-29.290	-29.280	-29.270	-29.270	-29.270	-29.280	-29.290	-29.290	-29.290	-29.300	-29.320	-29.340	-29.360	-29.360	-29.360	-29.340	-29.320	-29.320	-29.320	-29.310	-29.320	-29.310	-29.300	-29.308
3D	-29.300	-29.290	-29.280	-29.310	-29.300	-29.300	-29.310	-29.300	-29.330	-29.340	-29.330	-29.320	-29.320	-29.320	-29.330	-29.320	-29.310	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.316
4	-29.310	-29.300	-29.290	-29.290	-29.280	-29.280	-29.290	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.311
5	-29.320	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.320	-29.320	-29.320	-29.310	-29.315
6	-29.310	-29.300	-29.290	-29.280	-29.270	-29.280	-29.290	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.320	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.311
7	-29.310	-29.310	-29.300	-29.290	-29.280	-29.290	-29.280	-29.290	-29.310	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.300	-29.308
8	-29.300	-29.300	-29.290	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.330	-29.320	-29.310	-29.310	-29.310	-29.310
9Q	-29.310	-29.310	-29.300	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.300	-29.308
10	-29.300	-29.300	-29.290	-29.270	-29.280	-29.280	-29.290	-29.290	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.306
11Q	-29.300	-29.280	-29.280	-29.270	-29.270	-29.280	-29.290	-29.310	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.300	-29.304
12	-29.300	-29.280	-29.270	-29.270	-29.280	-29.280	-29.280	-29.290	-29.300	-29.300	-29.310	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300
13	-29.310	-29.300	-29.290	-29.290	-29.280	-29.250	-29.260	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.290	-29.293
14	-29.290	-29.280	-29.270	-29.270	-29.280	-29.270	-29.280	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.300	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.300	-29.300	-29.295
15	-29.300	-29.290	-29.280	-29.270	-29.260	-29.260	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.300	-29.300	-29.300	-29.293
16	-29.290	-29.290	-29.280	-29.280	-29.280	-29.270	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.310	-29.290	-29.300	-29.300	-29.310	-29.300	-29.300	-29.300	-29.290	-29.290	-29.280	-29.292
17	-29.280	-29.270	-29.260	-29.260	-29.260	-29.260	-29.260	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.291
18	-29.270	-29.280	-29.280	-29.270	-29.260	-29.260	-29.270	-29.280	-29.300	-29.300	-29.290	-29.300	-29.310	-29.320	-29.310	-29.300	-29.310	-29.300	-29.310	-29.310	-29.310	-29.300	-29.310	-29.290	-29.295
19	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.290	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.310	-29.310	-29.290	-29.300	-29.300	-29.300
20	-29.300	-29.290	-29.280	-29.260	-29.260	-29.270	-29.280	-29.280	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.290	-29.290	-29.290	-29.292
21	-29.280	-29.280	-29.270	-29.260	-29.260	-29.250	-29.260	-29.270	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.291
22	-29.300	-29.300	-29.280	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.320	-29.310	-29.310	-29.300	-29.310	-29.310	-29.300
23	-29.300	-29.300	-29.290	-29.280	-29.280	-29.270	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.320	-29.320	-29.330	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.303
24Q	-29.300	-29.300	-29.290	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.299
25	-29.290	-29.290	-29.280	-29.260	-29.260	-29.270	-29.270	-29.280	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.300	-29.293
26	-29.290	-29.280	-29.260	-29.270	-29.270	-29.280	-29.290	-29.300	-29.310	-29.310	-29.320	-29.320	-29.310	-29.300	-29.300	-29.300	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300
27	-29.310	-29.300	-29.290	-29.290	-29.280	-29.280	-29.290	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.320	-29.330	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.308
28	-29.300	-29.298	-29.297	-29.294	-29.293	-29.300	-29.301	-29.301	-29.301	-29.301	-29.306	-29.312	-29.316	-29.317	-29.310	-29.320	-29.296	-29.324	-29.317	-29.315	-29.314	-29.308	-29.312	-29.313	-29.307
29D	-29.320	-29.310	-29.310	-29.300	-29.300	-29.310	-29.330	-29.330	-29.320	-29.330	-29.330	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.310	-29.310	-29.300	-29.313
30D	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.320	-29.350	-29.350	-29.330	-29.330	-29.330	-29.320	-29.330	-29.330	-29.320	-29.320	-29.310	-29.310	-29.300	-29.319
31	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.320	-29.350	-29.350	-29.330	-29.330	-29.330	-29.320	-29.330	-29.330	-29.320	-29.320	-29.310	-29.310	-29.300	-29.319
Mean	-29.300	-29.295	-29.287	-29.280	-29.279	-29.280	-29.286	-29.293	-29.301	-29.306	-29.310	-29.312	-29.314	-29.313	-29.314	-29.316	-29.315	-29.317	-29.316	-29.315	-29.312	-29.308	-29.308	-29.303	-29.303
Q	-29.303	-29.298	-29.290	-29.278	-29.278	-29.283	-29.285	-29.298	-29.303	-29.313	-29.313	-29.310	-29.310	-29.310	-29.313	-29.313	-29.318	-29.313	-29.315	-29.315	-29.310	-29.310	-29.308	-29.300	-29.303
D	-29.308	-29.303	-29.295	-29.298	-29.295	-29.298	-29.305	-29.305	-29.313	-29.318	-29.320	-29.328	-29.333	-29.330	-29.333	-29.330	-29.320	-29.323	-29.323	-29.320	-29.315	-29.315	-29.313	-29.305	-29.314



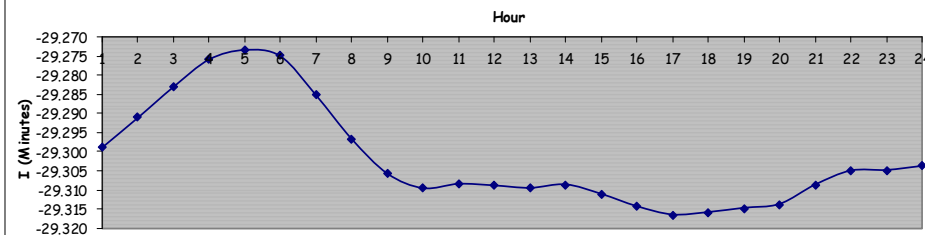
INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

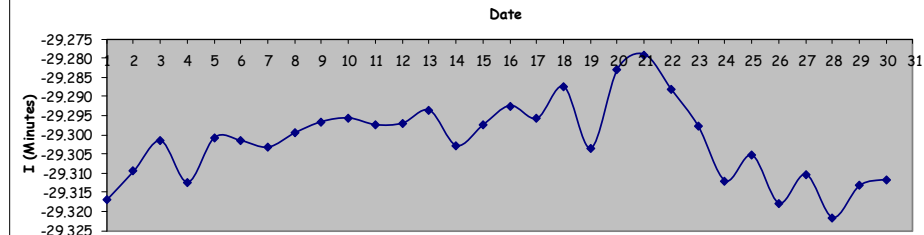
September-20

DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	-29.300	-29.290	-29.290	-29.300	-29.310	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.320	-29.340	-29.340	-29.320	-29.330	-29.320	-29.320	-29.310	-29.317	
2	-29.300	-29.290	-29.280	-29.290	-29.290	-29.290	-29.300	-29.310	-29.330	-29.330	-29.330	-29.330	-29.330	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.300	-29.300	-29.300	-29.310	
3	-29.300	-29.300	-29.290	-29.280	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.310	-29.300	-29.302	
4	-29.300	-29.290	-29.280	-29.270	-29.270	-29.280	-29.290	-29.300	-29.310	-29.320	-29.330	-29.330	-29.330	-29.330	-29.340	-29.350	-29.340	-29.330	-29.330	-29.320	-29.320	-29.310	-29.310	-29.313	
5	-29.300	-29.290	-29.280	-29.270	-29.260	-29.270	-29.280	-29.290	-29.300	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.300	-29.301	
6	-29.290	-29.290	-29.280	-29.270	-29.270	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.302	
7	-29.300	-29.290	-29.280	-29.260	-29.260	-29.270	-29.280	-29.290	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.320	-29.330	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.303	
8	-29.290	-29.290	-29.280	-29.280	-29.270	-29.270	-29.280	-29.290	-29.300	-29.310	-29.300	-29.310	-29.300	-29.300	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.300	-29.300	-29.300	
9Q	-29.300	-29.290	-29.290	-29.280	-29.270	-29.270	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.297	
10	-29.302	-29.301	-29.296	-29.282	-29.270	-29.268	-29.302	-29.281	-29.286	-29.297	-29.300	-29.300	-29.299	-29.300	-29.300	-29.300	-29.307	-29.310	-29.310	-29.310	data lost		-29.291	-29.296	
11Q	-29.290	-29.280	-29.280	-29.260	-29.260	-29.260	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.298	
12	-29.300	-29.290	-29.270	-29.250	-29.250	-29.260	-29.270	-29.290	-29.310	-29.320	-29.310	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.297	
13	-29.300	-29.290	-29.280	-29.270	-29.260	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.294	
14	-29.300	-29.310	-29.310	-29.300	-29.320	-29.310	-29.310	-29.300	-29.320	-29.290	-29.280	-29.300	-29.310	-29.290	-29.300	-29.290	-29.310	-29.310	-29.310	-29.310	-29.300	-29.290	-29.300	-29.303	
15	-29.300	-29.300	-29.290	-29.280	-29.270	-29.260	-29.270	-29.280	-29.300	-29.320	-29.320	-29.310	-29.300	-29.280	-29.300	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.290	-29.298	
16Q	-29.290	-29.280	-29.280	-29.270	-29.270	-29.270	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.290	-29.300	-29.300	-29.293	
17	-29.300	-29.280	-29.260	-29.250	-29.260	-29.270	-29.280	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.296	
18	-29.287	-29.280	-29.279	-29.264	-29.263	-29.272	-29.278	-29.293	-29.289	-29.294	-29.298	-29.297	-29.302	-29.292	-29.290	-29.291	-29.300	-29.308	data lost				-29.288	-29.288	
19Q	data lost								-29.299	-29.298	-29.297	-29.300	-29.306	-29.308	-29.314	-29.310	-29.310	-29.310	-29.309	-29.310	-29.303	-29.300	-29.295	-29.288	-29.304
20	-29.290	-29.280	-29.270	-29.240	-29.230	-29.230	-29.250	-29.260	-29.270	-29.280	-29.290	-29.290	-29.300	-29.300	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.290	-29.290	-29.290	-29.283	
21	-29.270	-29.270	-29.260	-29.250	-29.250	-29.250	-29.270	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.300	-29.280	-29.280	-29.270	-29.279	
22	-29.270	-29.260	-29.260	-29.250	-29.250	-29.250	-29.270	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.300	-29.290	-29.290	-29.288	
23	-29.290	-29.290	-29.280	-29.270	-29.260	-29.250	-29.260	-29.270	-29.290	-29.310	-29.310	-29.320	-29.320	-29.310	-29.320	-29.320	-29.310	-29.310	-29.320	-29.320	-29.300	-29.300	-29.310	-29.298	
24D	-29.310	-29.300	-29.270	-29.270	-29.270	-29.280	-29.290	-29.330	-29.360	-29.340	-29.320	-29.310	-29.320	-29.330	-29.320	-29.330	-29.330	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.312	
25	-29.300	-29.280	-29.280	-29.290	-29.280	-29.270	-29.280	-29.300	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.320	-29.310	-29.310	-29.320	-29.320	-29.320	-29.310	-29.310	-29.320	-29.305	
26D	-29.330	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.310	-29.320	-29.320	-29.320	-29.330	-29.320	-29.320	-29.330	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.320	-29.318
27D	-29.310	-29.300	-29.290	-29.300	-29.290	-29.290	-29.290	-29.310	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.330	-29.320	-29.330	-29.320	-29.300	-29.310	-29.310	-29.320	-29.310	
28	-29.330	-29.310	-29.300	-29.310	-29.300	-29.300	-29.320	-29.340	-29.330	-29.330	-29.320	-29.320	-29.330	-29.320	-29.330	-29.320	-29.330	-29.340	-29.330	-29.330	-29.320	-29.320	-29.320	-29.322	
29	-29.310	-29.300	-29.300	-29.300	-29.290	-29.280	-29.300	-29.310	-29.320	-29.320	-29.310	-29.320	-29.320	-29.320	-29.330	-29.330	-29.330	-29.330	-29.320	-29.320	-29.320	-29.310	-29.310	-29.320	-29.313
30	-29.310	-29.300	-29.290	-29.280	-29.290	-29.310	-29.310	-29.330	-29.330	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.320	-29.320	-29.310	-29.320	-29.310	-29.320	-29.312
Mean	-29.299	-29.291	-29.283	-29.276	-29.273	-29.275	-29.285	-29.297	-29.306	-29.310	-29.308	-29.309	-29.310	-29.309	-29.311	-29.314	-29.317	-29.316	-29.315	-29.314	-29.309	-29.305	-29.305	-29.304	-29.302
Q	-29.293	-29.283	-29.283	-29.270	-29.267	-29.267	-29.273	-29.283	-29.295	-29.302	-29.302	-29.303	-29.304	-29.304	-29.306	-29.310	-29.310	-29.310	-29.307	-29.307	-29.303	-29.305	-29.304	-29.297	-29.298
D	-29.313	-29.303	-29.290	-29.295	-29.295	-29.295	-29.300	-29.320	-29.330	-29.323	-29.318	-29.315	-29.320	-29.325	-29.320	-29.328	-29.330	-29.328	-29.320	-29.318	-29.318	-29.313	-29.315	-29.318	-29.314

Grafik Daily Mean Values of I vs Hour



Grafik Daily Mean Values of I vs Date



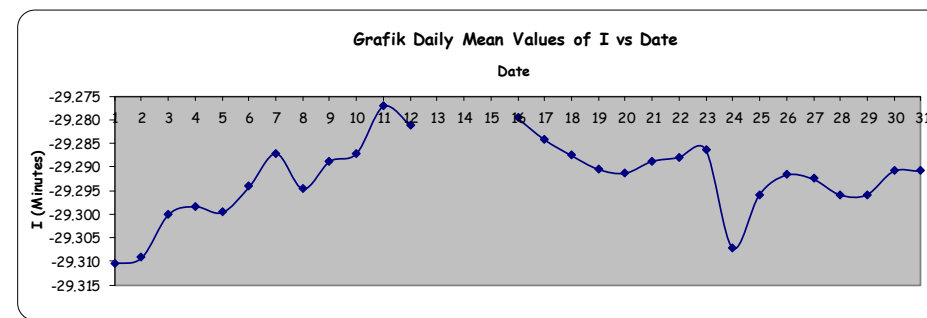
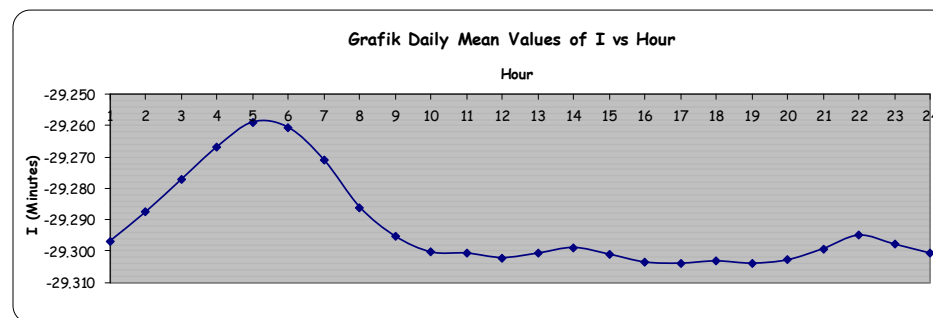


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

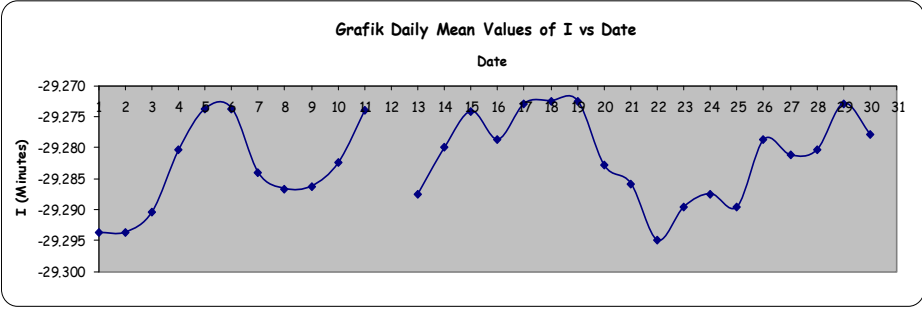
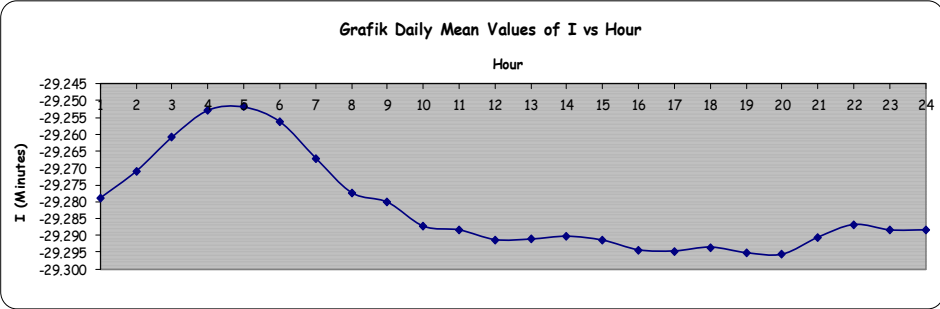
TANGERANG MAGNETIC OBSERVATORY

October-20

DATE	HOUR																							MEAN		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23	
1	-29.310	-29.300	-29.290	-29.280	-29.280	-29.280	-29.300	-29.310	-29.310	-29.310	-29.330	-29.350	-29.330	-29.320	-29.310	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	
2	-29.320	-29.310	-29.300	-29.290	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.320	-29.320	-29.320	-29.310	-29.320	-29.330	-29.330	-29.320	-29.320	-29.310	-29.300	-29.310	-29.310	-29.309	
3	-29.300	-29.290	-29.270	-29.270	-29.260	-29.270	-29.280	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	
4	-29.310	-29.290	-29.290	-29.280	-29.270	-29.260	-29.270	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.320	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.298	
5D	-29.300	-29.290	-29.280	-29.270	-29.250	-29.250	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.310	-29.310	-29.320	-29.310	-29.330	-29.320	-29.330	-29.310	-29.310	-29.320	-29.320	-29.320	-29.300	
6	-29.310	-29.300	-29.280	-29.270	-29.270	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.300	-29.300	-29.300	-29.290	-29.300	-29.290	-29.294	
7	-29.290	-29.280	-29.260	-29.250	-29.250	-29.240	-29.250	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.310	-29.287	
8Q	-29.310	-29.300	-29.280	-29.270	-29.260	-29.260	-29.270	-29.290	-29.300	-29.300	-29.300	-29.310	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.300	-29.310	-29.310	-29.290	-29.290	-29.290	-29.295	
9Q	-29.290	-29.290	-29.280	-29.270	-29.250	-29.250	-29.260	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.300	-29.289	
10Q	-29.310	-29.310	-29.300	-29.280	-29.260	-29.260	-29.260	-29.280	-29.300	-29.300	-29.300	-29.290	-29.280	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.280	-29.280	-29.280	-29.280	-29.287	
11	-29.270	-29.260	-29.250	-29.250	-29.250	-29.250	-29.260	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.290	-29.280	-29.277	
12	-29.290	-29.280	-29.270	-29.260	-29.260	-29.260	-29.270	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.281	
13	DATA TIDAK TERSEDIA KARENA ADA KENDALA KONEKSI DIGITIZER DENGAN MINIPC																									
14																										
15																										
16	-29.290	-29.280	-29.270	-29.260	-29.230	-29.220	-29.250	-29.280	-29.290	-29.290	-29.290	-29.280	-29.270	-29.280	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.280	
17	-29.290	-29.280	-29.260	-29.250	-29.250	-29.260	-29.270	-29.280	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.284	
18	-29.290	-29.270	-29.260	-29.260	-29.260	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.288	
19	-29.290	-29.270	-29.270	-29.260	-29.250	-29.250	-29.270	-29.290	-29.300	-29.310	-29.310	-29.310	-29.310	-29.310	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	
20	-29.290	-29.290	-29.280	-29.270	-29.260	-29.270	-29.270	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.300	-29.300	-29.291	
21	-29.290	-29.280	-29.260	-29.250	-29.240	-29.240	-29.250	-29.290	-29.310	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.310	-29.310	-29.310	-29.310	-29.300	-29.290	-29.290	-29.300	-29.289	
22	-29.300	-29.290	-29.290	-29.270	-29.260	-29.250	-29.260	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.288	
23	-29.300	-29.290	-29.290	-29.270	-29.250	-29.250	-29.270	-29.290	-29.300	-29.300	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.270	-29.290	-29.300	-29.300	-29.280	-29.310	-29.320	-29.286	
24D	-29.310	-29.310	-29.300	-29.290	-29.290	-29.300	-29.300	-29.310	-29.330	-29.320	-29.310	-29.300	-29.310	-29.310	-29.320	-29.300	-29.320	-29.310	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.307	
25D	-29.290	-29.290	-29.270	-29.260	-29.250	-29.260	-29.270	-29.280	-29.300	-29.310	-29.310	-29.320	-29.320	-29.290	-29.320	-29.320	-29.320	-29.320	-29.310	-29.310	-29.300	-29.300	-29.300	-29.300	-29.296	
26D	-29.290	-29.280	-29.280	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.300	-29.300	-29.292	
27	-29.300	-29.290	-29.280	-29.280	-29.270	-29.270	-29.280	-29.290	-29.300	-29.320	-29.300	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.300	-29.300	-29.293	
28	-29.300	-29.290	-29.270	-29.260	-29.270	-29.270	-29.270	-29.280	-29.280	-29.290	-29.300	-29.310	-29.320	-29.310	-29.310	-29.320	-29.320	-29.310	-29.310	-29.290	-29.300	-29.310	-29.310	-29.300	-29.296	
29	-29.290	-29.280	-29.270	-29.260	-29.250	-29.260	-29.270	-29.280	-29.300	-29.320	-29.320	-29.320	-29.310	-29.300	-29.310	-29.320	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.310	-29.296	
30Q	-29.290	-29.280	-29.280	-29.260	-29.250	-29.260	-29.270	-29.290	-29.300	-29.310	-29.310	-29.310	-29.300	-29.310	-29.310	-29.310	-29.290	-29.290	-29.300	-29.300	-29.290	-29.280	-29.290	-29.300	-29.291	
31	-29.290	-29.280	-29.280	-29.260	-29.250	-29.260	-29.270	-29.290	-29.300	-29.310	-29.310	-29.310	-29.300	-29.310	-29.310	-29.310	-29.290	-29.290	-29.300	-29.300	-29.290	-29.280	-29.290	-29.300	-29.291	
Mean	-29.297	-29.288	-29.277	-29.267	-29.259	-29.261	-29.271	-29.286	-29.295	-29.300	-29.301	-29.302	-29.301	-29.299	-29.301	-29.304	-29.304	-29.303	-29.304	-29.303	-29.299	-29.295	-29.298	-29.301	-29.292	
Q	-29.300	-29.295	-29.285	-29.270	-29.255	-29.258	-29.265	-29.285	-29.298	-29.303	-29.303	-29.303	-29.303	-29.295	-29.295	-29.298	-29.303	-29.300	-29.300	-29.303	-29.293	-29.285	-29.288	-29.293	-29.290	
D	-29.298	-29.293	-29.283	-29.273	-29.268	-29.273	-29.283	-29.290	-29.303	-29.308	-29.303	-29.303	-29.303	-29.310	-29.303	-29.313	-29.308	-29.318	-29.308	-29.313	-29.308	-29.305	-29.303	-29.303	-29.305	-29.299



INCLINATION																									
HOURLY MEAN VALUES OF I : Tabular values in Degrees																									
TANGERANG MAGNETIC OBSERVATORY																									
November-20																									
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1D	-29.290	-29.290	-29.280	-29.260	-29.260	-29.260	-29.270	-29.280	-29.290	-29.300	-29.300	-29.290	-29.290	-29.300	-29.310	-29.330	-29.320	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.300	-29.294
2	data lost						-29.283	-29.286	-29.286	-29.290	-29.290	-29.291	-29.290	-29.290	-29.296	-29.300	-29.300	-29.299	-29.300	-29.300	-29.298	-29.293	-29.298	-29.298	-29.294
3	-29.290	-29.290	-29.270	-29.260	-29.260	-29.270	-29.280	-29.290	-29.300	-29.300	-29.290	-29.300	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.300	-29.300	-29.290
4Q	-29.300	-29.280	-29.260	-29.240	-29.240	-29.240	-29.260	-29.270	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280
5	-29.260	-29.260	-29.250	-29.250	-29.260	-29.260	-29.270	-29.270	-29.270	-29.280	-29.280	-29.290	-29.280	-29.270	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.274
6	-29.270	-29.260	-29.250	-29.240	-29.230	-29.230	-29.230	-29.250	-29.260	-29.280	-29.290	-29.290	-29.290	-29.280	-29.280	-29.300	-29.300	-29.300	-29.300	-29.290	-29.300	-29.290	-29.280	-29.280	-29.274
7	-29.280	-29.270	-29.270	-29.260	-29.260	-29.260	-29.260	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.290	-29.280	-29.290	-29.300	-29.284
8	-29.290	-29.280	-29.270	-29.260	-29.260	-29.270	-29.290	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.287
9Q	-29.280	-29.270	-29.270	-29.260	-29.270	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.286
10Q	-29.280	-29.270	-29.260	-29.250	-29.250	-29.260	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.283
11	-29.290	-29.287	-29.272	-29.259	-29.253	-29.256	-29.264	-29.269	-29.271	-29.275	-29.277	-29.279	-29.276	-29.271	-29.270	-29.279	-29.288	-29.286	-29.284	data lost				-29.274	
12	data lost																							-29.274	
13	-29.280	-29.280	-29.270	-29.290	-29.270	-29.270	-29.280	-29.320	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.288
14	-29.280	-29.270	-29.260	-29.250	-29.250	-29.250	-29.260	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280
15	-29.280	-29.270	-29.250	-29.240	-29.240	-29.240	-29.250	-29.260	-29.270	-29.280	-29.280	-29.280	-29.290	-29.280	-29.290	-29.300	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.274
16Q	-29.280	-29.280	-29.270	-29.260	-29.250	-29.260	-29.270	-29.270	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.270	-29.279
17	-29.270	-29.260	-29.260	-29.240	-29.240	-29.240	-29.240	-29.260	-29.270	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.273
18	-29.270	-29.260	-29.240	-29.230	-29.240	-29.240	-29.260	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.290	-29.273
19	-29.270	-29.260	-29.240	-29.230	-29.240	-29.240	-29.260	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.290	-29.273
20	-29.270	-29.270	-29.270	-29.260	-29.250	-29.260	-29.270	-29.280	-29.290	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.290	-29.290	-29.280	-29.283
21D	-29.280	-29.270	-29.260	-29.260	-29.250	-29.260	-29.260	-29.270	-29.270	-29.280	-29.280	-29.290	-29.300	-29.310	-29.310	-29.310	-29.320	-29.310	-29.300	-29.300	-29.290	-29.280	-29.300	-29.300	-29.286
22D	-29.280	-29.270	-29.270	-29.250	-29.250	-29.250	-29.280	-29.290	-29.310	-29.320	-29.310	-29.320	-29.310	-29.320	-29.300	-29.300	-29.330	-29.310	-29.300	-29.310	-29.300	-29.300	-29.300	-29.300	-29.295
23D	-29.290	-29.280	-29.270	-29.260	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.300	-29.300	-29.300	-29.290	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290
24	-29.280	-29.260	-29.260	-29.260	-29.260	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.288
25	-29.280	-29.270	-29.260	-29.260	-29.250	-29.260	-29.270	-29.280	-29.280	-29.290	-29.290	-29.300	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.290
26	-29.280	-29.270	-29.260	-29.250	-29.250	-29.250	-29.260	-29.270	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.279
27	-29.270	-29.260	-29.250	-29.250	-29.250	-29.270	-29.280	-29.280	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.281
28	-29.280	-29.270	-29.250	-29.250	-29.250	-29.260	-29.270	-29.270	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280
29	-29.270	-29.260	-29.250	-29.250	-29.250	-29.250	-29.250	-29.270	-29.270	-29.280	-29.280	-29.270	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.290	-29.290	-29.270	-29.270	-29.270	-29.273
30	-29.270	-29.270	-29.260	-29.250	-29.250	-29.240	-29.250	-29.250	-29.260	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.300	-29.278
Mean	-29.279	-29.271	-29.261	-29.253	-29.252	-29.256	-29.267	-29.277	-29.280	-29.287	-29.289	-29.291	-29.291	-29.290	-29.292	-29.294	-29.295	-29.294	-29.295	-29.296	-29.291	-29.287	-29.288	-29.288	-29.282
Q	-29.285	-29.275	-29.265	-29.253	-29.253	-29.258	-29.273	-29.280	-29.285	-29.288	-29.288	-29.290	-29.290	-29.290	-29.290	-29.290	-29.295	-29.293	-29.293	-29.293	-29.288	-29.288	-29.283	-29.282	-29.282
D	-29.285	-29.278	-29.270	-29.258	-29.258	-29.263	-29.273	-29.283	-29.290	-29.298	-29.298	-29.300	-29.300	-29.308	-29.303	-29.310	-29.318	-29.305	-29.303	-29.305	-29.298	-29.293	-29.298	-29.298	-29.291

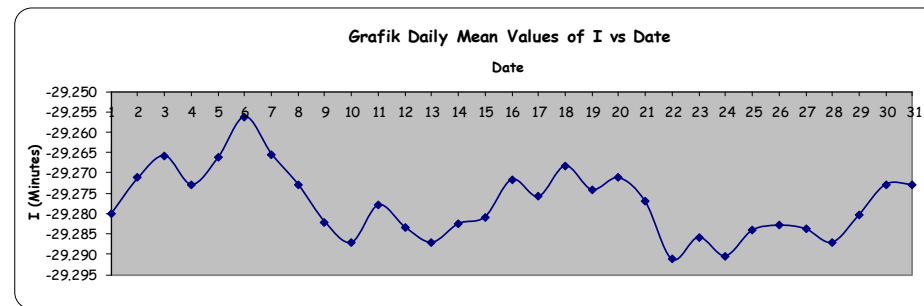
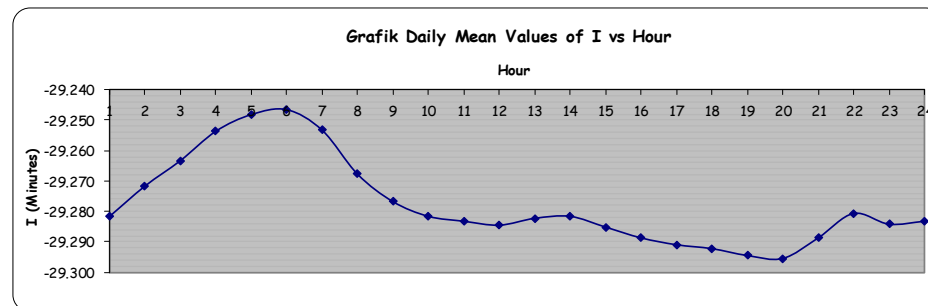


INCLINATION  
HOURLY MEAN VALUES OF I : Tabular values in Degrees

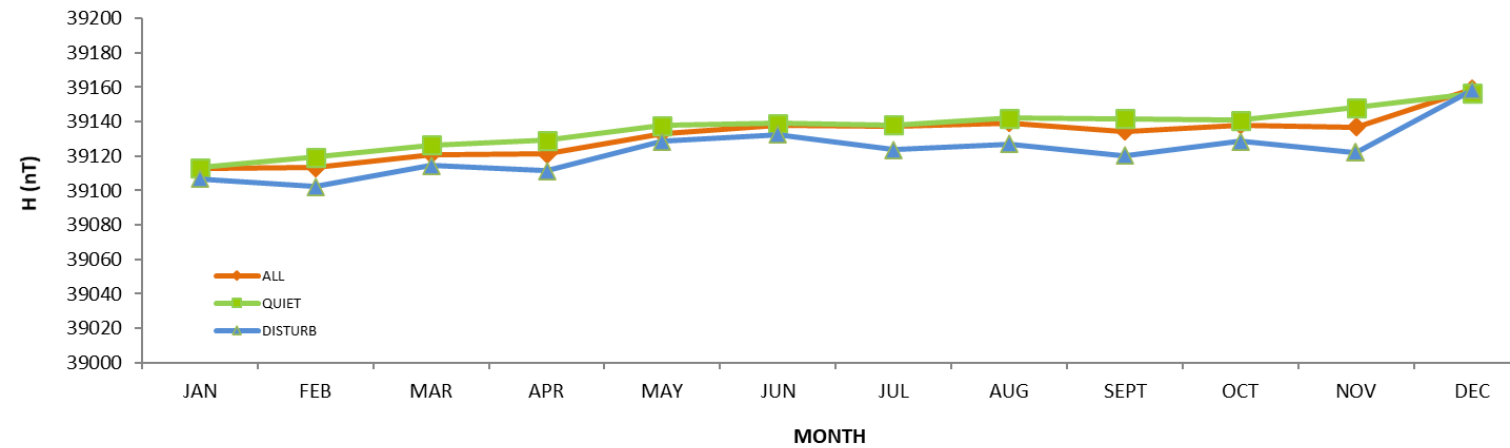
TANGERANG MAGNETIC OBSERVATORY

December-20

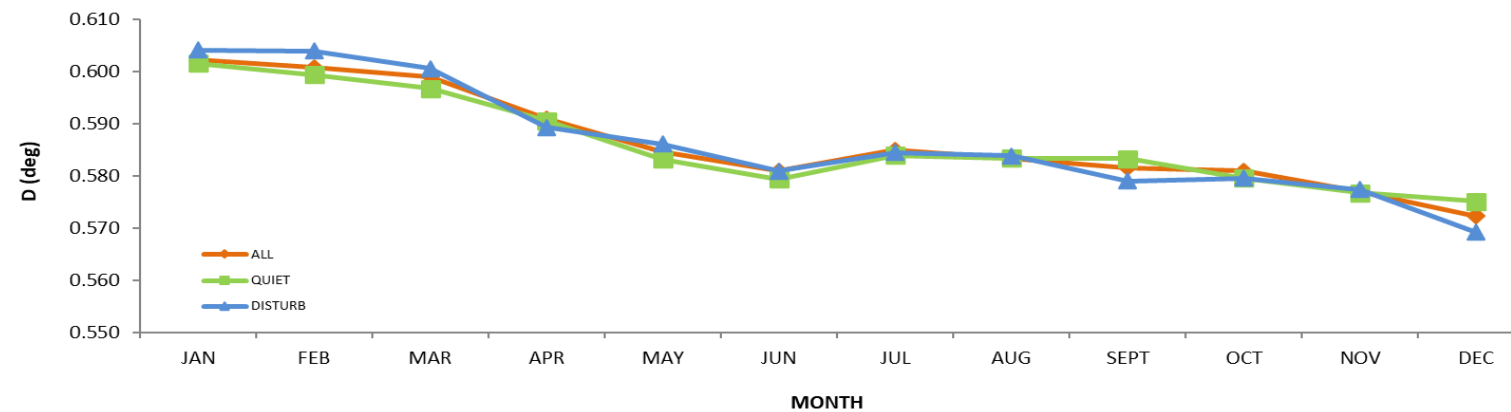
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1Q	-29.290	-29.280	-29.250	-29.240	-29.240	-29.250	-29.260	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280
2	-29.280	-29.260	-29.260	-29.250	-29.240	-29.250	-29.270	-29.270	-29.270	-29.280	-29.280	-29.280	-29.280	-29.270	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.260	-29.260	-29.260	-29.271
3	-29.250	-29.240	-29.230	-29.220	-29.220	-29.230	-29.240	-29.260	-29.260	-29.270	-29.270	-29.280	-29.280	-29.260	-29.270	-29.280	-29.300	-29.290	-29.300	-29.290	-29.290	-29.280	-29.290	-29.280	-29.266
4Q	-29.290	-29.280	-29.260	-29.250	-29.250	-29.230	-29.240	-29.270	-29.260	-29.270	-29.280	-29.280	-29.280	-29.280	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.273
5	-29.280	-29.280	-29.260	-29.240	-29.230	-29.230	-29.230	-29.240	-29.250	-29.270	-29.280	-29.280	-29.280	-29.270	-29.280	-29.270	-29.270	-29.280	-29.280	-29.290	-29.280	-29.270	-29.270	-29.280	-29.266
6	-29.270	-29.260	-29.250	-29.230	-29.220	-29.210	-29.220	-29.220	-29.240	-29.250	-29.270	-29.270	-29.260	-29.260	-29.260	-29.280	-29.280	-29.280	-29.280	-29.290	-29.270	-29.260	-29.260	-29.260	-29.256
7	-29.260	-29.250	-29.240	-29.230	-29.230	-29.240	-29.260	-29.270	-29.260	-29.270	-29.270	-29.270	-29.270	-29.270	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.260	-29.260	-29.260	-29.260	-29.265
8	-29.250	-29.240	-29.230	-29.230	-29.220	-29.220	-29.230	-29.250	-29.280	-29.290	-29.300	-29.300	-29.290	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.290	-29.300	-29.300	-29.273
9	-29.300	-29.280	-29.270	-29.250	-29.250	-29.250	-29.250	-29.260	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.310	-29.300	-29.290	-29.300	-29.290	-29.290	-29.290	-29.282
10	-29.310	-29.310	-29.300	-29.280	-29.260	-29.260	-29.260	-29.280	-29.300	-29.300	-29.300	-29.290	-29.280	-29.270	-29.280	-29.290	-29.300	-29.300	-29.300	-29.300	-29.280	-29.280	-29.280	-29.280	-29.287
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12	-29.280	-29.280	-29.270	-29.270	-29.270	-29.270	-29.280	-29.290	-29.290	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.290	-29.300	-29.283
13	-29.290	-29.280	-29.270	-29.270	-29.280	-29.270	-29.280	-29.280	-29.290	-29.280	-29.280	-29.280	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.287
14	-29.280	-29.270	-29.260	-29.250	-29.260	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.300	-29.283
15	-29.290	-29.280	-29.270	-29.260	-29.250	-29.240	-29.260	-29.270	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.281
16	-29.280	-29.260	-29.250	-29.240	-29.230	-29.230	-29.230	-29.250	-29.270	-29.270	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.290	-29.270	-29.270	-29.270	-29.272
17	-29.270	-29.260	-29.260	-29.260	-29.260	-29.250	-29.250	-29.270	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.276
18	-29.270	-29.220	-29.250	-29.230	-29.230	-29.230	-29.240	-29.250	-29.260	-29.270	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.300	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280	-29.280	-29.268
19	-29.270	-29.270	-29.260	-29.240	-29.240	-29.240	-29.240	-29.260	-29.280	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.300	-29.290	-29.280	-29.280	-29.280	-29.274
20	-29.260	-29.250	-29.250	-29.240	-29.240	-29.230	-29.250	-29.270	-29.280	-29.290	-29.280	-29.270	-29.280	-29.280	-29.280	-29.290	-29.280	-29.290	-29.290	-29.290	-29.290	-29.270	-29.280	-29.280	-29.271
21D	-29.280	-29.270	-29.250	-29.250	-29.250	-29.260	-29.260	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.290	-29.280	-29.290	-29.270	-29.277
22D	-29.290	-29.290	-29.290	-29.300	-29.290	-29.280	-29.270	-29.280	-29.290	-29.300	-29.310	-29.300	-29.290	-29.290	-29.290	-29.290	-29.280	-29.290	-29.300	-29.300	-29.290	-29.290	-29.300	-29.290	-29.291
23D	-29.290	-29.280	-29.270	-29.270	-29.250	-29.250	-29.270	-29.280	-29.280	-29.290	-29.290	-29.310	-29.300	-29.290	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.286
24	-29.290	-29.280	-29.270	-29.260	-29.250	-29.250	-29.260	-29.280	-29.300	-29.310	-29.300	-29.300	-29.290	-29.300	-29.310	-29.300	-29.300	-29.310	-29.310	-29.310	-29.300	-29.300	-29.300	-29.290	-29.290
25	-29.280	-29.270	-29.260	-29.260	-29.250	-29.260	-29.270	-29.280	-29.290	-29.280	-29.280	-29.290	-29.290	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.300	-29.290	-29.290	-29.290	-29.290	-29.284
26	-29.290	-29.290	-29.280	-29.270	-29.270	-29.270	-29.270	-29.270	-29.280	-29.280	-29.280	-29.280	-29.280	-29.280	-29.290	-29.290	-29.300	-29.300	-29.290	-29.300	-29.290	-29.280	-29.280	-29.280	-29.283
27	-29.280	-29.280	-29.280	-29.280	-29.260	-29.260	-29.260	-29.280	-29.280	-29.290	-29.290	-29.290	-29.290	-29.280	-29.290	-29.290	-29.290	-29.300	-29.290	-29.300	-29.290	-29.280	-29.290	-29.290	-29.284
28D	-29.300	-29.300	-29.290	-29.270	-29.270	-29.260	-29.260	-29.280	-29.290	-29.300	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.300	-29.290	-29.290	-29.290	-29.287
29	-29.290	-29.270	-29.270	-29.260	-29.260	-29.250	-29.250	-29.270	-29.280	-29.290	-29.280	-29.290	-29.280	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.290	-29.280	-29.280
30	-29.290	-29.280	-29.270	-29.260	-29.240	-29.230	-29.230	-29.260	-29.270	-29.270	-29.270	-29.270	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.300	-29.280	-29.270	-29.280	-29.273
31Q	-29.290	-29.280	-29.270	-29.260	-29.240	-29.230	-29.230	-29.260	-29.270	-29.270	-29.270	-29.270	-29.270	-29.270	-29.280	-29.280	-29.290	-29.290	-29.290	-29.300	-29.300	-29.280	-29.270	-29.280	-29.273
Mean	-29.282	-29.272	-29.263	-29.254	-29.248	-29.246	-29.253	-29.268	-29.277	-29.282	-29.283	-29.285	-29.282	-29.282	-29.285	-29.289	-29.291	-29.292	-29.295	-29.295	-29.289	-29.281	-29.284	-29.283	-29.277
Q	-29.288	-29.278	-29.268	-29.255	-29.243	-29.240	-29.243	-29.263	-29.280	-29.285	-29.288	-29.288	-29.283	-29.280	-29.283	-29.293	-29.295	-29.298	-29.298	-29.300	-29.298	-29.290	-29.283	-29.288	-29.279
D	-29.285	-29.280	-29.268	-29.258	-29.250	-29.253	-29.258	-29.268	-29.280	-29.285	-29.285	-29.288	-29.285	-29.288	-29.295	-29.290	-29.293	-29.298	-29.295	-29.300	-29.290	-29.285	-29.285	-29.285	-29.281



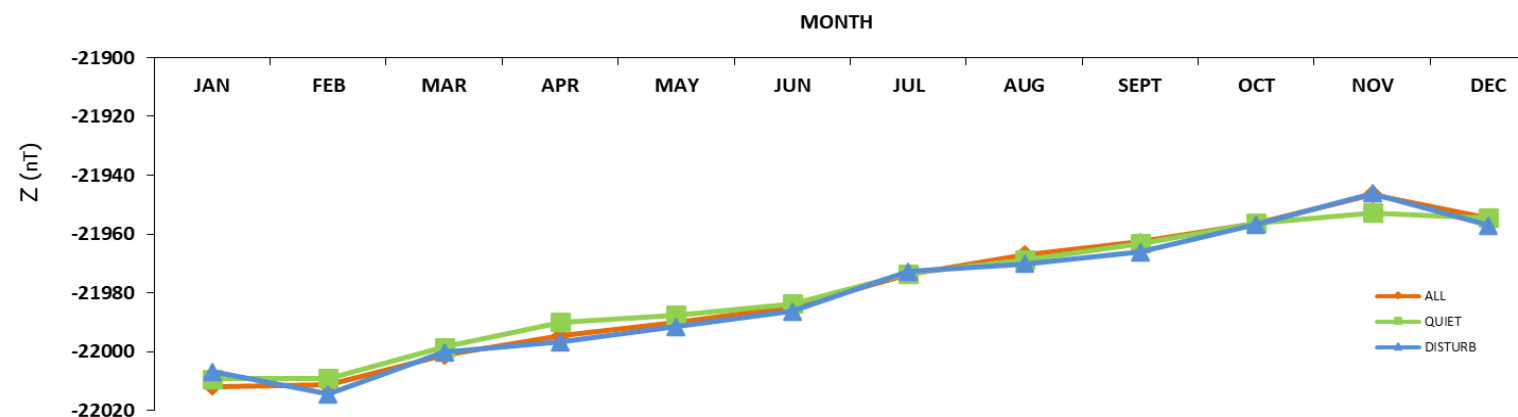
### GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020 H COMPONENT



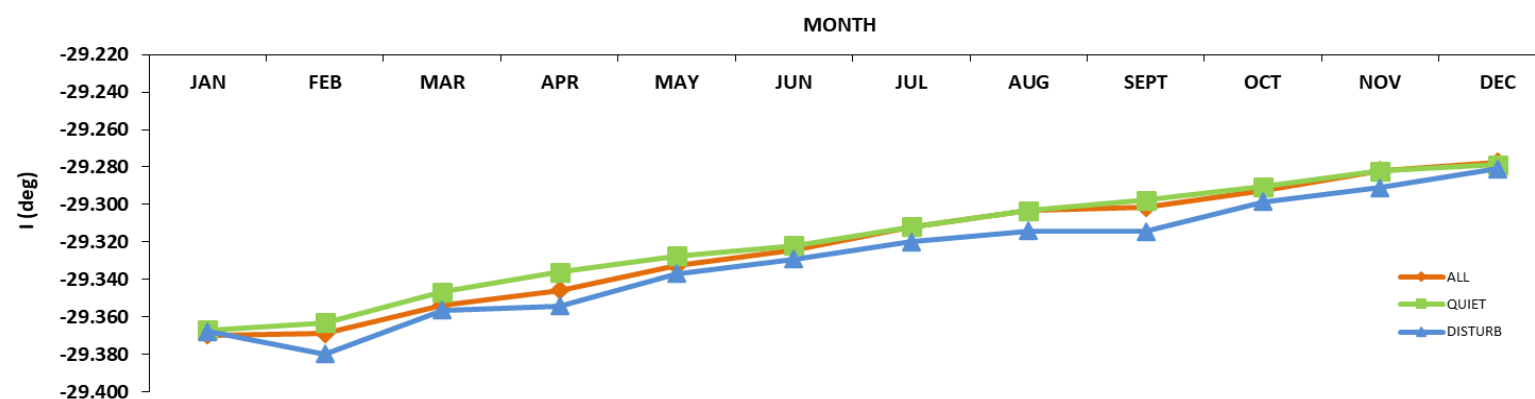
### GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020 D COMPONENT



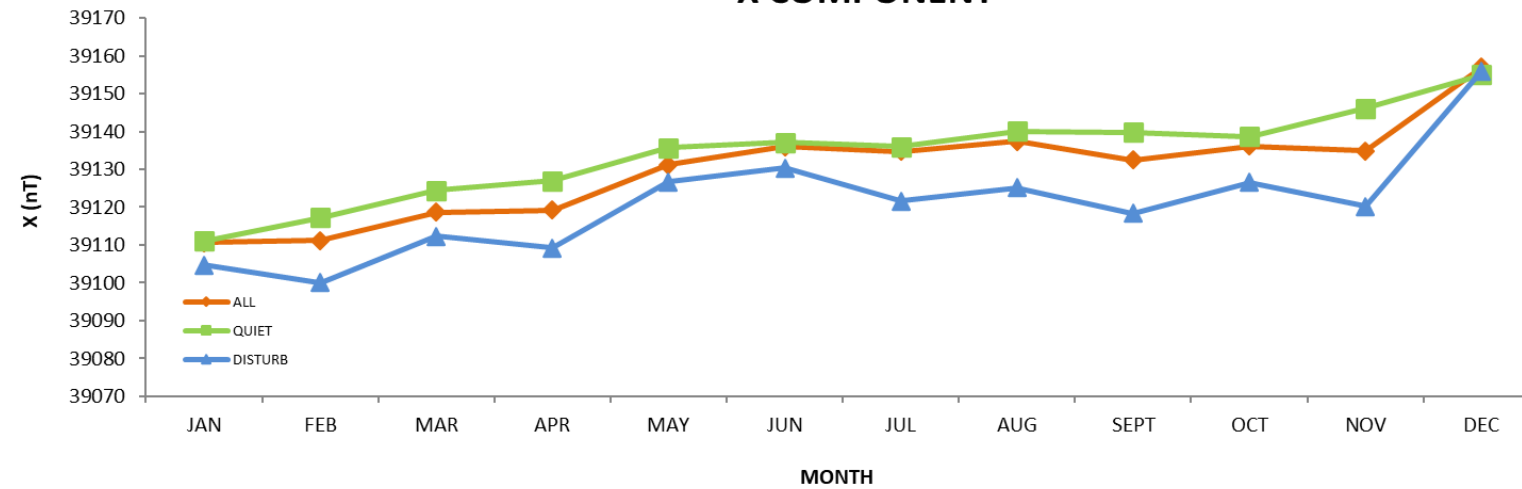
### GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020 Z COMPONENT



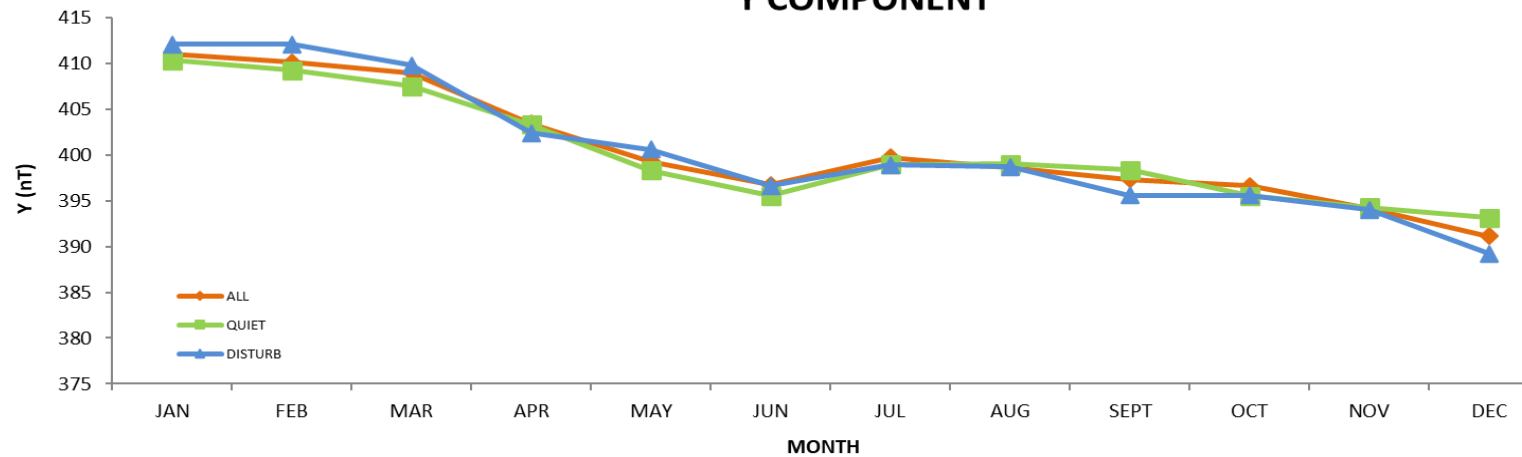
### GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020 I COMPONENT



**GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020  
X COMPONENT**

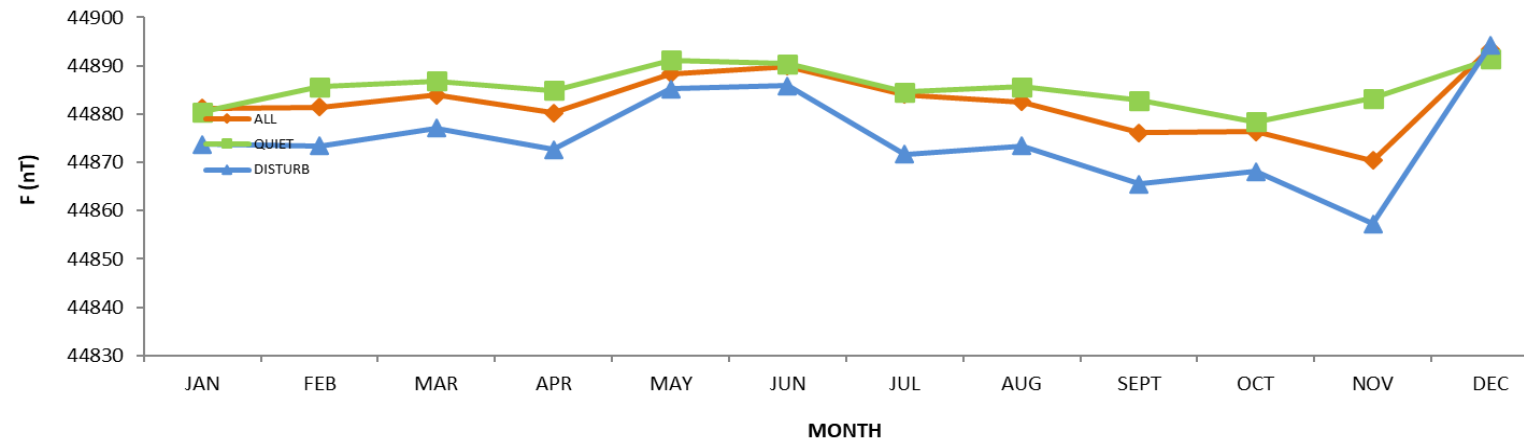


**GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020  
Y COMPONENT**





**GRAPHIC OF MONTHLY AND ANNUAL MEANS 2020  
F COMPONENT**



## 2020 ABSOLUTE MEASUREMENTS

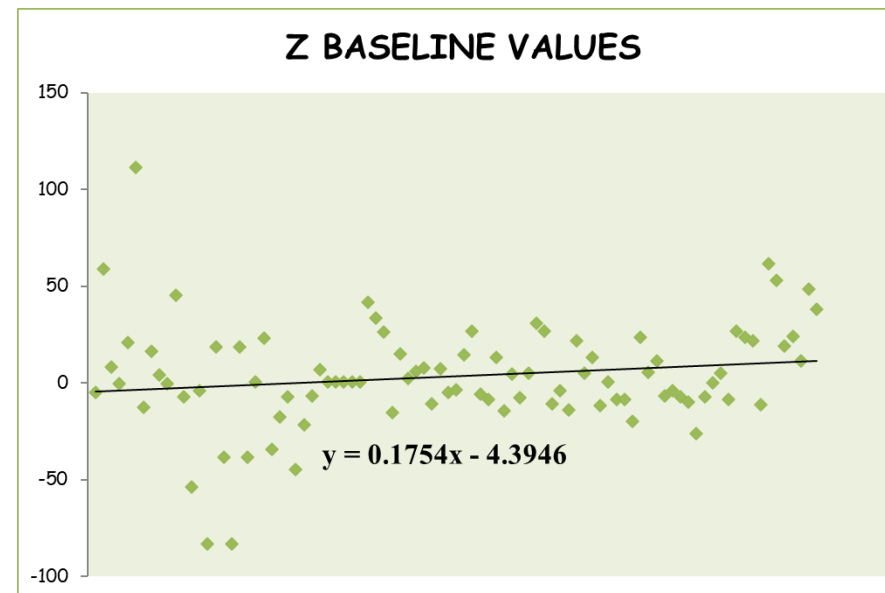
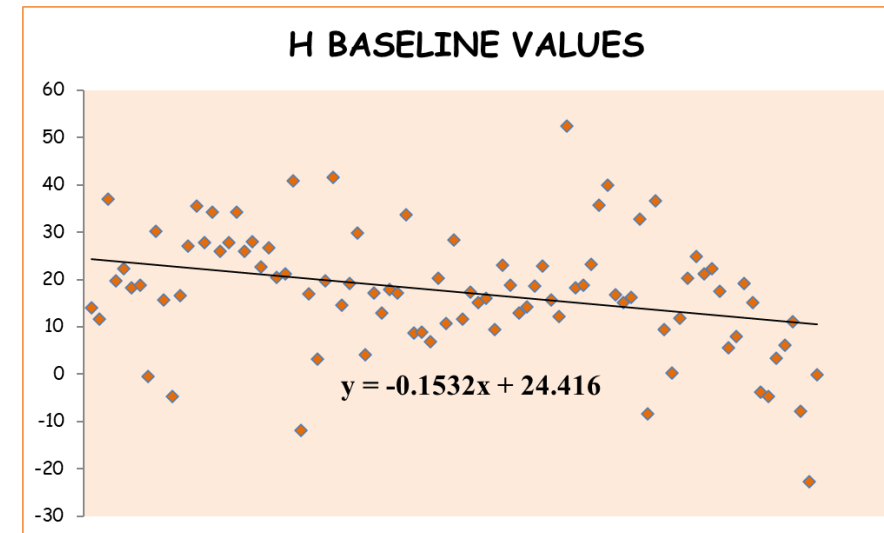
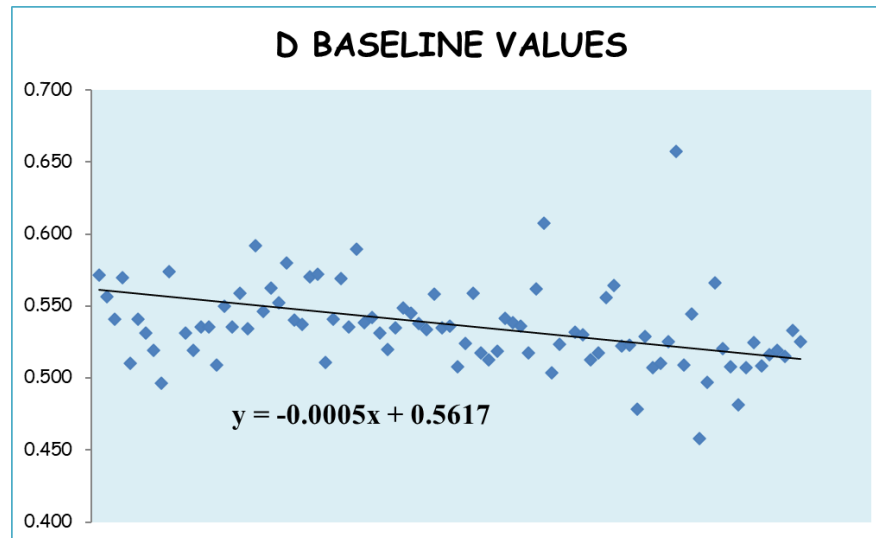
Absolute Observation									IAGA/LEMI				Ordinate				Base Line			Dsv	D konversi
DATE	DOY	DEC TIME	DEC	INC_TIME	INC	H	Z	F	dx	dy	dz	Dord	xo	yo	Zo	Ho	Z	H	D		
01/01/2020	1	8:30:29	0.641	08:37:09	-29.418	38745	-21848	44481	4.52	7.51	9.33	0.6298	38738	426	-21857	38741	9.330	4.603	0.585	0.089	0.056
03/01/2020	3	1:36:12	0.557	01:49:30	-29.411	38770	-21856	44506	9.81	17.42	19.37	0.5995	38758	360	-21875	38760	19.370	9.975	0.504	0.089	0.053
08/01/2020	8	2:10:24	0.522	02:23:29	-29.467	38724	-21880	44477	-4.94	18.15	52.14	0.6154	38727	335	-21932	38729	52.140	-4.779	0.468	0.089	0.055
10/01/2020	10	1:54:57	0.663	02:35:12	-29.372	38750	-21810	44466	3.42	4.7	72.27	0.5879	38744	444	-21882	38746	72.270	3.474	0.611	0.089	0.052
15/01/2020	15	1:38:15	0.629	01:58:40	-29.250	38816	-21738	44489	11.56	0.57	6.08	0.5854	38802	426	-21744	38805	6.080	11.566	0.577	0.089	0.052
17/01/2020	17	1:51:57	0.567	02:21:51	-29.388	38700	-21796	44416	0.44	6.73	43.28	0.589	38698	376	-21839	38700	43.280	0.506	0.514	0.089	0.052
22/01/2020	22	1:37:45	0.537	01:55:42	-29.427	38759	-21863	44500	7.43	20.74	13.82	0.5971	38749	343	-21877	38751	13.820	7.619	0.484	0.089	0.053
24/01/2020	24	3:36:10	0.579	03:54:35	-29.479	38693	-21873	44448	5.2	20.55	38	0.6191	38686	370	-21911	38688	38.000	5.402	0.524	0.089	0.055
29/01/2019	29	1:39:18	0.550	01:39:30	-29.542	38682	-21922	44462	14.39	3.84	9.93	0.5965	38666	368	-21932	38667	9.930	14.426	0.497	0.089	0.053
31/01/2020	31	2:01:26	0.536	02:40:25	-29.385	38755	-21824	44478	0.69	-7.84	5.53	0.5962	38753	371	-21830	38755	5.530	0.616	0.483	0.089	0.053
05/02/2020	36	1:35:26	0.580	01:45:41	-29.418	38726	-21837	44458	0.77	8.72	10.49	0.6092	38723	383	-21847	38725	10.490	0.857	0.526	0.089	0.054
07/02/2020	38	1:39:48	0.555	01:59:50	-29.379	38758	-21820	44478	-0.04	0.46	12.13	0.5829	38756	375	-21832	38758	12.130	-0.036	0.503	0.089	0.052
12/02/2020	43	2:02:42	0.531	02:26:22	-29.414	38767	-21857	44504	20.73	-0.77	17.31	0.5838	38745	360	-21874	38746	17.310	20.722	0.479	0.089	0.052
14/02/2020	45	1:45:00	0.511	01:58:05	-29.334	38784	-21795	44489	14.98	-13.19	17.96	0.5624	38768	359	-21813	38770	17.960	14.860	0.461	0.089	0.050
19/02/2020	50	1:27:30	0.564	01:36:06	-29.375	38709	-21789	44420	12.65	-1.31	6.62	0.5713	38694	382	-21796	38696	6.620	12.636	0.513	0.089	0.051
21/02/2020	52	1:30:01	0.543	01:42:50	-29.463	38714	-21870	44464	20.3	0.88	-1.55	0.5827	38692	366	-21869	38694	-1.550	20.307	0.491	0.089	0.052
26/02/2020	57	1:40:42	0.566	01:59:15	-29.344	38786	-21805	44496	15.26	0.71	13.83	0.6016	38769	382	-21819	38771	13.830	15.266	0.513	0.089	0.053
28/02/2020	59	1:46:13	0.552	02:01:05	-29.320	38791	-21786	44490	12.26	9.35	16.6	0.6254	38777	364	-21803	38778	6.620	12.636	0.496	0.089	0.056
04/03/2020	64	2:06:35	0.597	02:20:15	-29.509	38716	-21912	44486	10.16	7.43	17.59	0.6004	38703	396	-21930	38705	-1.550	20.307	0.544	0.089	0.053
06/03/2020	66	2:03:58	0.560	02:11:58	-29.623	38658	-21981	44470	18.68	8.35	18.53	0.6018	38637	370	-22000	38639	13.830	15.266	0.507	0.089	0.053
11/03/2020	71	1:43:51	0.616	01:59:17	-29.159	38836	-21669	44472	17.46	4.31	18.08	0.5839	38817	413	-21687	38819	16.600	12.348	0.564	0.089	0.052
13/03/2020	73	1:26:00	0.547	01:38:54	-29.395	38765	-21838	44493	23.51	8.35	13.54	0.5891	38740	362	-21852	38742	17.590	10.236	0.495	0.089	0.052
18/03/2020	78	1:32:53	0.567	01:49:03	-29.112	38845	-21632	44462	14.23	8.42	13.47	0.6056	38829	376	-21645	38831	18.530	18.760	0.513	0.089	0.054
20/03/2020	80	1:56:15	0.514	02:08:05	-29.415	38723	-21833	44454	19.85	9.29	22.55	0.6105	38702	338	-21856	38703	18.080	17.505	0.460	0.089	0.054
25/03/2020	85	2:06:10	0.542	02:24:20	-29.323	38779	-21782	44478	23.87	-5.27	18.64	0.5909	38754	372	-21801	38756	13.540	23.588	0.490	0.089	0.052
27/03/2020	87	1:51:22	0.563	02:03:32	-29.303	38795	-21773	44487	-2.49	-13.97	4.16	0.589	38796	395	-21777	38798	13.470	14.312	0.511	0.088	0.052
01/04/2020	92	1:50:20	0.578	02:01:52	-29.373	38757	-21815	44474	3.6	-9.11	9.18	0.5843	38751	400	-21824	38753	22.550	19.932	0.526	0.089	0.052
03/04/2020	94	1:53:12	0.561	02:02:30	-29.42	38773	-21865	44514	16.62	-4.79	20.09	0.6082	38755	384	-21885	38757	18.640	23.819	0.507	0.089	0.054
08/04/2020	99	1:46:30	0.554	01:54:20	-29.325	38800	-21796	44503	23.5	-11.04	16.89	0.5764	38774	386	-21813	38776	16.890	23.391	0.503	0.089	0.051
10/04/2020	101	1:49:00	0.616	01:49:44	-29.358	38765	-21806	44478	9	-11.57	14.85	0.5794	38754	428	-21821	38756	0.476	8.873	0.565	0.089	0.051

Absolute Observation									IAGA/LEMI				Ordinate				Base Line			Dsv	D konversi
DATE	DOY	DEC TIME	DEC	INC_TIME	INC	H	Z	F	dx	dy	dz	Dord	x0	y0	Z0	H0	Z	H	D		
15/04/2020	106	1:46:16	0.609	01:52:35	-29.390	38720	-21808	44439	-0.11	-7.81	10.84	0.5854	38718	420	-21819	38720	0.508	-0.194	0.557	0.089	0.052
17/04/2020	108	1:57:00	0.582	06:45:00	-29.827	38591	-22125	44483	11.35	-15.4	11.45	0.5836	38577	407	-22137	38580	0.538	11.190	0.530	0.089	0.052
22/04/2020	113	1:42:15	0.594	01:53:15	-29.400	38746	-21833	44474	7.08	-22.77	-1.74	0.5816	38737	425	-21831	38740	0.502	6.837	0.543	0.089	0.052
24/04/2020	115	1:49:39	0.567	02:15:23	-29.357	38782	-21814	44496	13.41	-17.85	3.06	0.5858	38767	401	-21818	38769	3.060	13.229	0.515	0.089	0.052
29/04/2020	120	1:48:30	0.508	02:00:31	-29.353	38770	-21804	44480	8.54	-24.58	1.35	0.5801	38760	368	-21805	38761	1.350	8.314	0.457	0.089	0.051
01/05/2020	122	1:36:50	0.552	01:55:50	-29.316	38734	-21750	44423	10.05	-6.9	8.28	0.6022	38722	380	-21759	38724	8.280	9.982	0.499	0.089	0.053
06/05/2020	127	2:19:28	0.551	02:36:47	-29.328	38791	-21793	44494	10.32	-29.28	1.3	0.5726	38779	403	-21795	38781	1.300	10.027	0.501	0.089	0.051
08/05/2020	129	1:26:51	0.559	01:45:49	-29.338	38793	-21803	44500	10.64	-17.63	-1.98	0.5878	38780	396	-21801	38782	-1.980	10.463	0.507	0.089	0.052
13/05/2020	134	1:52:54	0.560	02:05:28	-29.329	38776	-21786	44477	19.06	-11.14	14.32	0.5954	38755	390	-21800	38757	14.320	18.948	0.508	0.089	0.053
15/05/2020	136	2:04:00	0.572	02:19:00	-29.361	38781	-21817	44496	15.65	-10.4	11.13	0.5894	38763	398	-21828	38765	11.130	15.544	0.520	0.089	0.052
20/05/2020	141	2:32:50	0.519	02:46:47	-29.311	38790	-21778	44485	8.56	-13.81	11.48	0.5882	38780	365	-21789	38781	11.480	8.432	0.467	0.089	0.052
22/05/2020	143	1:38:34	0.596	01:57:07	-29.325	38800	-21795	44503	10.41	-9.73	-0.14	0.6021	38788	413	-21795	38790	-0.140	10.307	0.543	0.089	0.053
27/05/2020	148	1:53:54	0.571	02:06:01	-29.322	38772	-21778	44469	6.18	-12.87	9.62	0.5983	38764	399	-21787	38766	9.620	6.049	0.518	0.089	0.053
29/05/2020	150	1:30:10	0.562	01:44:10	-29.310	38810	-21788	44508	22.74	-10.79	4.07	0.599	38786	391	-21792	38788	4.070	22.632	0.509	0.089	0.053
03/06/2020	155	1:36:19	0.547	01:51:15	-29.320	38760	-21769	44455	9.51	-7.99	0.74	0.5964	38749	378	-21769	38751	0.740	9.432	0.494	0.089	0.053
05/06/2020	157	1:30:01	0.656	01:45:29	-29.422	38734	-21845	44470	14.21	-8.34	2.78	0.606	38718	452	-21848	38720	2.780	14.11	0.602	0.089	0.054
10/06/2020	162	1:29:40	0.630	01:51:25	-29.373	38759	-21816	44477	9.31	-9.34	-0.66	0.5954	38748	436	-21815	38750	-0.660	9.206	0.577	0.089	0.053
12/06/2020	164	1:26:19	0.649	01:39:23	-29.322	38724	-21750	44414	14.39	-7.79	0.06	0.5985	38707	447	-21750	38710	0.060	14.300	0.596	0.089	0.053
17/06/2020	169	1:48:59	0.556	01:57:05	-29.300	38795	-21771	44486	5.3	-10.03	1.69	0.5999	38788	386	-21773	38790	1.690	5.201	0.503	0.089	0.053
19/06/2020	171	1:38:14	0.553	01:58:36	-29.401	38664	-21787	44380	13.52	-6.87	6.22	0.6033	38648	380	-21793	38650	6.220	13.452	0.500	0.089	0.054
24/06/2020	176	1:48:06	0.608	01:58:20	-29.329	38777	-21787	44478	8.57	-10.25	3.96	0.5926	38766	422	-21791	38768	3.960	8.459	0.556	0.089	0.053
26/06/2020	178	2:53:39	0.552	3:09:41	-29.391	38763	-21834	44489	11.72	-11.96	-6.55	0.6005	38749	386	-21827	38751	-6.550	11.602	0.499	0.089	0.053
03/07/2020	184	2:08:27	0.528	02:23:45	-29.293	38803	-21769	44493	16.99	-19.69	-0.36	0.6164	38785	377	-21769	38787	-0.360	16.803	0.473	0.089	0.055
08/07/2020	190	1:22:40	0.584	01:47:32	-29.577	38691	-21959	44488	3.29	-8.23	-1.52	0.6006	38685	403	-21957	38687	-1.520	3.205	0.531	0.089	0.053
10/07/2020	192	2:03:21	0.573	02:25:39	-29.304	38787	-21770	44479	8.24	-6.5	4.81	0.6095	38777	394	-21775	38779	4.810	8.174	0.519	0.089	0.054
15/07/2020	197	2:02:56	0.565	02:20:41	-29.270	38762	-21726	44435	13.78	-9.98	-4.12	0.6084	38746	393	-21722	38748	-4.120	13.680	0.512	0.089	0.054
17/07/2020	199	1:43:31	0.606	02:06:46	-29.269	38807	-21750	44487	3.82	-8.09	-1.78	0.6064	38801	419	-21748	38804	-1.780	3.733	0.553	0.089	0.054
22/07/2020	204	2:30:03	0.606	02:44:09	-29.275	38813	-21758	44495	20.77	-19.25	-1.7	0.5899	38790	430	-21756	38792	-1.700	20.560	0.554	0.089	0.052
24/07/2020	206	1:49:39	0.594	02:04:09	-29.295	38817	-21779	44509	12.98	-21.11	-19.16	0.5893	38802	423	-21759	38804	-19.160	12.755	0.542	0.089	0.052
29/07/2020	211	1:32:12	0.575	01:38:21	-29.295	38788	-21763	44476	8.65	-17.64	0.85	0.5794	38777	407	-21763	38780	0.850	8.468	0.524	0.089	0.051

Absolute Observation									IAGA/LEMI				Ordinate				Base Line			Dsv	D konversi
DATE	DOY	DEC TIME	DEC	INC_TIME	INC	H	Z	F	dx	dy	dz	Dord	x0	y0	Z0	H0	Z	H	D		
31/07/2020	213	2:39:42	0.608	01:51:17	-29.784	38600	-22092	44475	17.38	-24.04	13.98	0.5787	38580	434	-22106	38582	13.980	17.116	0.557	0.089	0.052
05/08/2020	218	1:55:42	0.564	02:11:29	-29.320	38774	-21776	44471	6.35	-14.15	5.09	0.5934	38766	396	-21781	38768	5.090	6.208	0.511	0.089	0.053
07/08/2020	220	1:19:44	0.565	01:35:53	-29.404	38754	-21841	44485	7.77	-7.81	-0.4	0.6001	38745	390	-21840	38747	-0.400	7.692	0.511	0.089	0.053
12/08/2020	225	2:07:50	0.567	02:43:52	-29.283	38867	-21796	44561	22.23	-8.8	4.78	0.6051	38843	394	-21801	38845	4.780	22.141	0.514	0.088	0.054
14/08/2020	227	1:25:35	0.553	01:45:20	-29.299	38806	-21776	44498	15.47	-17.01	-2.58	0.5854	38789	391	-21773	38791	-2.580	15.301	0.501	0.089	0.052
19/08/2020	232	1:42:59	0.608	02:03:08	-29.185	38836	-21691	44483	7.44	-16.9	0.28	0.5838	38826	429	-21692	38828	0.280	7.257	0.556	0.089	0.052
21/08/2020	234	2:22:00	0.575	02:54:00	-29.416	38777	-21864	44516	24.29	-31.76	3.88	0.5761	38751	421	-21868	38753	3.880	23.957	0.524	0.089	0.051
26/08/2020	239	1:16:12	0.572	01:38:38	-29.301	38796	-21773	44488	9.98	-4.69	11.53	0.6013	38784	392	-21784	38786	11.530	9.932	0.518	0.089	0.053
28/08/2020	241	1:39:10	0.585	01:51:03	-29.318	38769	-21773	44464	3.3	-5.97	6.44	0.6052	38764	402	-21779	38766	6.440	3.238	0.531	0.089	0.054
02/09/2020	246	1:54:20	0.547	02:28:37	-29.693	38626	-22026	44465	20.06	-27.08	6.3	0.5794	38604	396	-22032	38607	6.300	19.791	0.495	0.089	0.052
04/09/2020	248	1:09:43	0.578	01:19:55	-29.274	38792	-21746	44472	-3.37	-13.3	7.18	0.5884	38794	405	-21753	38796	7.180	-3.506	0.526	0.089	0.052
09/09/2020	253	1:23:43	0.547	01:38:55	-29.395	38760	-21836	44487	13.47	-14.19	0.46	0.5935	38745	384	-21836	38746	0.460	13.331	0.494	0.089	0.053
11/09/2020	255	2:03:08	0.569	02:22:56	-29.272	38818	-21759	44500	22.39	-29.65	4.13	0.5703	38793	415	-21763	38795	4.130	22.083	0.519	0.089	0.051
16/09/2020	260	1:27:13	0.633	01:41:08	-29.375	38757	-21816	44475	15.61	-4.55	11.15	0.5952	38739	433	-21827	38741	11.150	15.559	0.580	0.089	0.053
23/09/2020	267	2:08:47	0.606	02:19:36	-29.245	38805	-21728	44474	8.94	-19.67	9.61	0.5702	38794	430	-21737	38796	9.610	8.727	0.555	0.089	0.051
25/09/2020	269	1:35:01	0.551	01:47:01	-29.276	38786	-21744	44465	17.09	-14.68	14.87	0.5678	38767	388	-21759	38769	14.870	16.945	0.501	0.089	0.050
30/09/2020	274	1:36:42	0.580	01:53:01	-29.336	38764	-21785	44467	17.72	-20.5	9.63	0.5659	38745	413	-21795	38747	9.630	17.506	0.529	0.089	0.050
02/10/2020	276	2:05:03	0.580	02:31:39	-29.232	38816	-21722	44480	13.92	-15.89	2.52	0.5777	38800	409	-21725	38802	2.520	13.755	0.529	0.089	0.051
07/10/2020	281	1:34:19	0.572	01:45:50	-29.522	38701	-21916	44476	1.99	-8.56	8.82	0.5687	38698	395	-21925	38700	8.820	1.904	0.521	0.089	0.051
09/10/2020	283	1:54:03	0.544	01:23:19	-29.386	38756	-21825	44479	14.4	-13.83	9.87	0.571	38740	382	-21835	38742	9.870	14.266	0.493	0.089	0.051
16/10/2020	290	2:13:43	0.570	02:23:40	-29.255	38816	-21743	44491	24.02	-1.61	14.81	0.5795	38790	388	-21758	38792	14.810	24.003	0.519	0.089	0.051
21/10/2020	295	1:04:41	0.557	01:16:19	-29.800	38652	-22136	44542	5	-7.52	5.8	0.5679	38645	383	-22142	38647	5.800	4.926	0.507	0.089	0.051
23/10/2020	297	1:29:54	0.547	01:40:05	-29.309	38791	-21776	44486	10.24	-16.81	-1.73	0.5701	38779	387	-21775	38781	-1.730	10.075	0.497	0.089	0.051
28/10/2020	302	1:49:12	0.600	02:08:05	-29.273	38776	-21736	44452	6.49	-10.25	13.28	0.5509	38767	416	-21749	38769	13.280	6.381	0.551	0.089	0.049
30/10/2020	304	2:05:45	0.570	02:37:25	-29.432	38721	-21847	44459	2.91	-1.14	9.4	0.5708	38716	386	-21856	38718	9.400	2.899	0.519	0.089	0.051
04/11/2020	309	1:29:45	0.547	01:43:30	-29.289	38788	-21757	44473	18.34	-4.39	10.25	0.5648	38768	375	-21767	38769	10.250	18.297	0.497	0.089	0.050
06/11/2020	311	1:36:15	0.551	01:51:00	-29.236	38815	-21725	44481	16.06	6.03	9.88	0.5863	38797	367	-21735	38799	9.880	16.117	0.499	0.089	0.052
11/11/2020	316	1:31:00	0.574	01:48:05	-29.26	38804	-21741	44479	7.7	-2.53	2.09	0.5688	38794	391	-21743	38796	2.090	7.674	0.524	0.089	0.050
13/11/2020	318	3:20:01	0.552	03:34:00	-29.26	38806	-21742	44482	278.7	191.97	-174.1	0.8519	38526	182	-21568	38526	-174.110	280.090	0.476	0.089	0.075
18/11/2020	323	1:59:58	0.566	02:17:30	-29.209	38830	-21710	44487	25.46	2.37	12.14	0.5732	38803	381	-21722	38805	12.140	25.482	0.515	0.089	0.051

Absolute Observation									IAGA/LEMI				Ordinate				Base Line			Dsv	D konversi
DATE	DOY	DEC TIME	DEC	INC_TIME	INC	H	Z	F	dx	dy	dz	Dord	x0	y0	Z0	H0	Z	H	D		
20/11/2019	325	2:34:31	0.575	03:02:07	-29.261	38797	-21737	44472	2.16	14.35	5.84	0.5944	38793	375	-21743	38795	5.840	2.301	0.522	0.089	0.053
25/11/2020	330	1:19:55	0.584	01:44:30	-29.633	38653	-21988	44469	7.59	1.44	7.83	0.5728	38644	392	-21996	38646	7.830	7.604	0.533	0.089	0.051
27/11/2020	332	1:11:30	0.566	1:29:42	-29.247	38811	-21732	44481	5.31	10.59	13.03	0.5797	38804	373	-21745	38806	13.030	5.413	0.514	0.089	0.051
02/12/2020	337	1:16:08	0.567	01:26:11	-29.271	38786	-21740	44463	17.81	-2.55	72.67	0.5496	38767	386	-21812	38769	72.670	17.784	0.518	0.089	0.049
04/12/2020	339	1:53:26	0.575	02:13:48	-29.34	38767	-21791	44471	9.58	0.77	8.67	0.5673	38755	388	-21799	38757	8.670	9.587	0.524	0.089	0.050
09/12/2020	344	1:23:32	0.570	01:47:36	-29.76	38603	-22073	44468	12.64	7.87	17.58	0.5828	38589	376	-22090	38590	17.580	12.717	0.518	0.089	0.052
11/12/2020	346	1:54:14	0.581	02:15:40	-29.369	38737	-21800	44450	0.35	0.99	12.09	0.5647	38735	392	-21812	38737	12.090	0.360	0.531	0.089	0.050
16/12/2020	351	1:59:35	0.572	02:59:12	-29.392	38748	-21826	44472	22.3	3.67	21.82	0.5627	38724	383	-21848	38726	21.820	22.335	0.522	0.089	0.050
18/12/2020	353	1:23:30	0.570	01:41:26	-29.394	38729	-21818	44452	79.2	97.64	-21.5	0.7187	38648	288	-21796	38649	-21.500	80.046	0.506	0.089	0.064
23/12/2020	358	1:49:23	0.585	02:20:04	-28.347	39133	-21112	44465	6.32	-1.38	15.05	0.5596	39125	401	-21127	39127	15.050	6.306	0.536	0.088	0.049
25/12/2020	360	1:35:30	0.580	01:52:20	-29.359	38767	-21808	44480	7.44	10.28	13.54	0.5645	38757	382	-21821	38759	13.540	7.542	0.530	0.089	0.050
30/12/2020	365	1:30:15	0.565	01:47:05	-29.216	38810	-21705	44468	2.02	-6.11	5.75	0.5505	38807	389	-21711	38809	5.750	1.959	0.516	0.089	0.049

## BASELINE VALUES FOR THE YEAR OF 2020





## 2020 MAGNETIC STORM REPORT

A geomagnetic storm is a major disturbance of Earth's magnetosphere that occurs when there is a very efficient exchange of energy from the solar wind into the space environment surrounding Earth. These storms result from variations in the solar wind that produces major changes in the currents, plasmas, and fields in Earth's magnetosphere. Disturbances in the Earth's geomagnetic field can disrupt the operation of critical infrastructures relying on space-based assets but also can result in terrestrial effects, including disrupting electricity distribution networks.

There are several scales used to measure the severity of geomagnetic storms. The K and Ak indices are used to categorize the intensity of geomagnetic storms. The K values range from 0 to 9 and are based on the maximum magnetic field deviation during a 3-hour period. The Ak index values range from 0 to 400 for "a 24-hour index derived from eight daily 3-hour K indices" (Molinski et al., 2000). So-called "active" geomagnetic storms are classified with K values ranging from 0 to 4 and Ak values ranging from 0 to 20. A "minor" geomagnetic storm classification is based on a K value of 5 or Ak values ranging from 30-50. A "severe" geomagnetic storm is categorized using K values ranging from 7 to 9 and Ak values ranging from 100-400 (Molinski et al., 2000). Switching scales in 1999, the National Oceanic and Atmospheric Administration (NOAA) introduced the G scale, based on the planetary K index to measure the projected geomagnetic effects on physical infrastructure (Molinski et al., 2000). G is scaled from 1 to 5 (related to Kp=5 for G1, Kp=6 for G2, Kp=7 for G3, Kp=8 – 9– for G4 and Kp=9 for G5)

In 2020, Tangerang Geophysics Station didn't record any indication of magnetic storm event.



**TANGERANG GEOPHYSICS STATION**  
**INDONESIAN AGENCY FOR METEOROLOGICAL, CLIMATOLOGICAL AND GEOPHYSICS**

Meteorologi Street Number 5, Tanah Tinggi Tangerang 15119

Phone. (021) 5523665 | Hp. 081316159505 | Fax. (021) 55771822 | [datin.stageoftng@gmail.com](mailto:datin.stageoftng@gmail.com)



@stageof\_tng