



BMKG

GEOMAGNETIC REPORT 2019

TANGERANG GEOPHYSICS STATION

FOREWORD

A big thanks we pray to God Almighty because of His Mercy, Geomagnetic Report 2019 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 2019, Tangerang Geophysics Station recorded an indication of magnetic storm event on 3rd and 4th September 2019 as a minor storm.

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 2020

**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 2019. Tangerang Geophysics Station was established in 1964. 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

Redactor

Agus Mansyur

Lintang Kesumastuti

Sri Hartatik

Observer

Tata Subrata; Nindita Dewi Tiurlan;

Purnama Nugroho; Wibowo Hadi Yuwono; Iksan Setiadi; Hata Abdul Karim;

Nirawati; Eresia Nindia Winata; Mohammad Hairidzulhi; Agus Mansyur; Eka Nurjanah W; Sri Hartatik; Lintang Kesumastuti; Fanny Noor A.;

Maria Evy T., Rr. Kustita Yustina

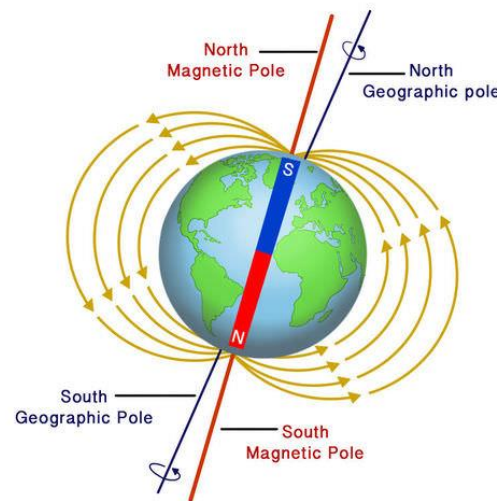
TABLE OF STATION OFFICER'S NAME

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

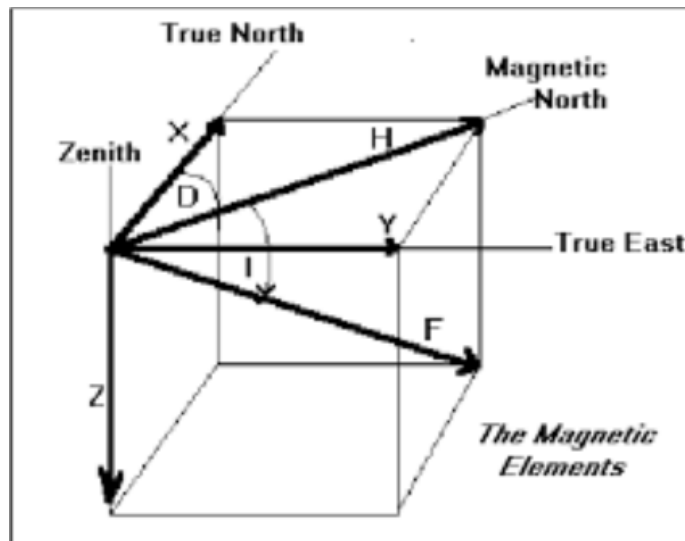
GEOMAGNETIC POLE

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° 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° BT and 100.4° BB longitude.
- Magnetic south pole is located in the Coast of Antarctica's South of Tasmania with a latitude of 66.5° LS and 140° 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



MONTHLY AND ANNUAL MEANS CATALOG FOR THE YEAR OF 2019

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
	38000	-22000	44000	-30 Deg.	0 Deg.	38000	0	38000	-22000	44000	-30 Deg.	0 Deg.	38000	0	38000	-22000	44000	-30 Deg.	0 Deg.	38000	0
	minus	plus	minus	plus	plus	minus	plus	minus	plus	minus	plus	plus	minus	plus	minus	plus	minus	plus	plus	minus	plus
JAN	705	130	457	0.53	0.646	703	437	710	137	457	0.54	0.645	707	435	706	130	458	0.53	0.645	704	435
FEB	707	112	467	0.51	0.654	705	442	714	118	470	0.52	0.653	711	442	699	111	461	0.51	0.656	697	442
MARCH	713	146	455	0.55	0.646	711	437	719	147	461	0.56	0.643	717	434	712	144	455	0.55	0.649	709	438
APR	714	151	454	0.56	0.644	712	435	721	153	459	0.57	0.644	718	436	708	148	450	0.55	0.645	705	436
MAY	714	157	451	0.57	0.643	712	435	719	156	455	0.57	0.643	716	434	702	154	432	0.56	0.643	700	435
JUNE	723	159	458	0.58	0.641	721	433	723	158	458	0.58	0.642	721	434	717	159	452	0.57	0.640	714	432
JULY	720	165	453	0.58	0.643	718	434	724	167	455	0.59	0.643	722	435	714	161	449	0.57	0.645	712	435
AUGUST	718	154	456	0.57	0.651	715	440	725	155	461	0.57	0.652	722	440	709	154	448	0.56	0.653	706	441
SEPT	1067	-34	852	0.58	0.620	1064	422	1073	-33	857	0.58	0.618	1071	421	1052	-35	839	0.57	0.623	1050	424
OCT	1075	-29	857	0.59	0.623	1073	425	1082	-29	863	0.59	0.623	1080	425	1066	-30	849	0.58	0.624	1063	425
NOV	1085	-24	863	0.60	0.625	1083	426	1083	-26	863	0.60	0.626	1081	426	1089	-22	865	0.60	0.625	1086	427
DEC	1101	-16	873	0.62	0.615	1099	420	1097	-17	870	0.61	0.616	1095	420	1106	-12	875	0.63	0.615	1104	420
MEAN	837	89	591	0.569	0.638	835	432	841	91	594	0.573	0.637	838	432	832	89	586	0.565	0.639	829	433

TANGERANG MAGNETIC OBSERVATORY 2019 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	-	-	-	-	-	-	-	-	-
3	3	3	2	2	2	2	2	2	18
4	3	3	3	3	3	3	3	3	24
5	3	3	3	3	3	2	2	3	22
6	3	3	3	2	3	3	4	3	24
7	2	3	2	2	3	2	1	2	17
8	3	3	3	2	3	2	2	2	20
9	3	4	3	2	3	2	2	2	21
10	-	-	-	-	-	-	-	-	-
11	3	3	3	2	2	2	2	2	19
12	3	2	2	2	2	2	2	2	17
13	3	2	2	3	2	2	1	3	18
14	4	4	3	2	3	3	2	2	23
15	2	3	2	3	3	2	2	2	19
16	3	3	3	3	3	2	3	3	23
17	2	2	3	3	3	2	2	2	19
18	3	3	2	3	2	3	2	2	20
19	2	2	2	2	3	2	2	3	18
20	3	3	2	2	2	3	2	2	19
21	-	-	-	-	-	-	-	-	-
22	4	4	2	2	3	3	3	3	24
23	3	3	3	4	3	3	3	3	25
24	4	4	3	2	2	3	3	3	24
25	3	3	3	3	3	4	1	3	23
26	3	3	2	3	3	2	2	3	21
27	2	3	3	2	3	2	1	3	19
28	3	3	3	3	2	3	2	2	21
29	3	2	3	2	3	2	2	2	19
30	3	2	3	2	2	3	2	3	20
31	4	5	4	3	4	4	2	4	30

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	3	4	3	2	4	4	2	2	24
2	3	3	3	3	3	4	3	2	24
3	3	3	3	3	3	2	2	2	21
4	3	2	2	3	4	3	2	2	21
5	2	3	2	2	2	2	2	2	17
6	3	3	3	3	3	3	2	2	22
7	3	3	3	3	3	2	1	2	20
8	3	2	2	3	3	2	2	3	20
9	3	3	3	3	3	2	2	2	21
10	3	3	3	2	2	2	1	3	19
11	3	2	3	3	3	3	1	3	21
12	3	3	3	3	3	2	1	2	20
13	3	3	3	4	4	3	2	3	25
14	3	2	2	3	3	2	2	2	19
15	3	2	2	2	2	2	1	2	16
16	3	3	3	3	3	2	2	2	21
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18	3	3	2	3	3	3	1	2	20
19	3	3	3	2	2	2	1	2	18
20	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-
22	3	2	3	3	3	2	1	2	19
23	2	2	3	2	3	2	1	2	17
24	2	2	2	2	2	2	1	2	15
25	3	2	3	2	3	2	2	2	19
26	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-

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	
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2	-	-	-	-	-	-	-	-	-
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4	3	3	2	2	3	3	1	2	19
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6	3	2	3	2	3	2	2	2	19
7	3	3	3	2	3	3	1	3	21
8	3	3	2	2	3	2	2	2	19
9	2	3	3	3	3	2	1	2	19
10	3	2	3	3	2	2	1	3	19
11	3	3	3	2	3	2	1	2	19
12	3	3	4	3	3	2	2	2	22
13	3	2	3	2	3	2	1	2	18
14	2	2	3	3	3	3	3	3	22
15	2	3	3	2	3	2	2	2	19
16	3	3	3	3	3	3	2	3	23
17	4	2	3	3	3	3	1	2	21
18	2	2	2	3	3	2	1	2	17
19	3	3	3	3	3	2	2	2	21
20	3	3	2	2	2	2	1	2	17
21	3	3	2	3	2	2	2	2	19
22	2	3	3	3	3	2	2	2	20
23	2	3	3	3	2	2	2	2	19
24	2	3	2	3	2	3	2	3	20
25	3	3	3	3	2	2	3	2	21
26	2	2	2	2	3	2	2	3	18
27	3	2	3	3	3	2	2	2	20
28	3	3	2	3	3	3	3	2	22
29	2	3	3	3	2	2	2	2	19
30	3	3	3	3	3	2	1	2	20
31	3	4	3	3	4	3	2	2	24

Remark :

- = Data Loss

TANGERANG MAGNETIC OBSERVATORY 2019 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	3	3	3	3	2	2	22
2	3	3	3	2	3	3	2	2	21
3	3	3	3	2	2	2	1	2	18
4	3	4	4	3	2	2	1	2	21
5	3	4	3	2	2	3	2	2	21
6	3	3	3	2	2	2	1	2	18
7	3	4	4	2	3	3	1	2	22
8	3	4	3	3	3	3	2	2	23
9	-	-	-	-	-	-	-	-	-
10	3	4	3	4	4	3	2	3	26
11	4	3	3	2	2	1	1	2	18
12	3	3	3	3	2	2	2	2	20
13	3	3	3	2	3	2	3	2	21
14	4	3	3	3	2	3	1	3	22
15	4	2	3	2	3	2	2	3	21
16	3	3	3	2	3	2	2	3	21
17	3	3	3	3	2	2	3	3	22
18	4	3	3	2	2	3	2	3	22
19	3	3	3	3	3	3	2	3	23
20	4	5	5	5	4	4	4	3	34
21	4	3	4	3	3	3	2	3	25
22	3	3	3	3	3	2	3	3	23
23	-	-	-	-	-	-	-	-	-
24	3	3	3	2	3	3	2	3	22
25	4	3	3	2	2	3	2	3	22
26	4	2	3	2	3	2	2	3	21
27	4	3	3	2	3	2	2	3	22
28	4	3	3	2	3	2	2	3	22
29	4	4	3	3	3	3	2	3	25
30	4	4	3	3	3	2	1	3	23

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

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	3	3	3	2	2	2	2	3	20
2	3	3	3	2	2	2	2	2	19
3	2	3	3	3	3	2	2	2	20
4	3	3	3	3	3	3	1	3	22
5	2	3	3	2	3	2	2	3	20
6	3	3	4	3	3	2	2	2	22
7	3	3	4	3	3	3	2	3	24
8	3	3	3	3	3	4	4	3	26
9	3	3	3	3	3	3	1	3	22
10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	3	3	3	3	3	2	1	3	21
15	3	3	3	3	2	2	2	3	21
16	3	3	3	3	3	2	2	3	22
17	2	3	3	3	3	2	2	2	20
18	3	3	3	3	3	2	2	3	22
19	3	3	3	3	3	2	3	2	22
20	3	3	3	2	3	3	3	3	23
21	3	3	3	2	2	2	2	3	20
22	3	3	3	2	2	2	2	2	19
23	3	2	3	2	3	2	2	3	20
24	3	3	3	2	3	2	2	2	20
25	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-
27	3	3	3	2	3	2	2	2	20
28	4	4	3	2	2	2	2	2	21
29	3	3	3	2	3	2	2	2	20
30	3	3	3	3	3	2	2	2	21

Remark :

- = Data Loss

TANGERANG MAGNETIC OBSERVATORY 2019 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	3	3	3	2	3	3	1	3	21
2	3	3	3	3	2	2	2	3	21
3	2	3	3	3	2	2	2	3	20
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	3	3	2	3	2	2	1	3	19
7	3	3	3	2	3	2	2	3	21
8	2	3	3	2	2	2	3	4	21
9	3	3	3	3	3	2	3	3	23
10	3	4	3	4	3	3	1	3	24
11	3	2	3	3	3	2	2	2	20
12	2	3	3	3	3	2	1	2	19
13	3	3	3	3	3	3	2	3	23
14	3	3	3	3	3	2	1	2	20
15	3	3	2	3	3	2	1	3	20
16	2	3	3	2	3	2	1	2	18
17	3	3	3	2	3	2	2	3	21
18	3	2	2	2	3	2	1	3	18
19	3	3	3	3	2	2	2	3	21
20	3	3	3	3	3	2	2	3	22
21	3	3	3	2	2	2	3	4	22
22	4	3	3	3	3	2	2	3	23
23	3	3	3	3	3	2	2	2	21
24	3	3	3	2	3	1	2	3	20
25	2	2	2	2	3	2	1	3	17
26	2	3	2	2	2	2	2	3	18
27	3	3	3	3	2	2	2	3	21
28	3	2	3	2	3	3	1	3	20
29	3	3	3	2	3	2	1	3	20
30	3	3	3	2	3	3	2	3	22
31	2	3	4	3	2	2	3	2	21

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

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	3	5	4	4	4	4	4	2	30
2	3	3	4	2	3	3	3	3	24
3	3	4	5	5	6	6	6	6	41
4	5	4	4	3	3	3	3	3	28
5	3	4	4	3	3	3	1	3	24
6	4	4	4	3	2	2	1	2	22
7	3	3	3	3	3	2	2	2	21
8	1	4	3	3	3	3	2	3	22
9	2	3	3	4	3	3	2	3	23
10	2	3	3	3	3	3	1	2	20
11	3	3	3	2	3	1	2	2	19
12	2	2	2	3	2	2	2	4	19
13	4	4	3	3	3	2	2	2	23
14	2	3	3	3	3	2	2	2	20
15	3	3	3	3	2	2	2	2	20
16	3	3	3	2	2	2	2	3	20
17	4	4	3	3	3	2	3	3	25
18	3	3	3	3	3	2	2	3	22
19	3	3	2	2	3	2	3	2	20
20	3	4	3	2	2	3	3	3	23
21	3	5	3	3	3	3	1	2	23
22	2	3	3	3	3	3	3	3	23
23	2	3	3	3	3	2	3	3	22
24	3	3	3	3	3	3	3	3	24
25	3	3	2	3	2	3	3	2	21
26	3	3	3	3	3	2	3	3	23
27	3	3	4	5	4	4	3	4	30
28	3	3	4	4	4	3	2	3	26
29	3	3	3	3	3	3	3	3	24
30	3	3	4	3	3	3	1	3	23
31									

Remark :

- = Data Loss

TANGERANG MAGNETIC OBSERVATORY 2019 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	3	3	2	2	3	2	2	2	19
2	3	2	3	2	3	2	2	2	19
3	3	3	3	2	2	1	2	3	19
4	-	-	-	-	-	-	-	-	-
5	3	3	3	2	3	3	2	2	21
6	3	3	3	2	3	2	2	2	20
7	3	2	3	3	3	3	2	2	21
8	-	-	-	-	-	-	-	-	-
9	3	3	3	4	3	2	2	3	23
10	4	4	3	3	2	3	2	2	23
11	3	3	3	3	3	3	3	2	23
12	3	3	2	2	2	2	1	2	17
13	2	2	3	3	2	2	1	2	17
14	3	3	2	3	3	2	2	3	21
15	3	3	2	2	2	2	3	3	20
16	3	3	3	3	3	2	2	3	22
17	2	3	3	3	3	2	2	2	20
18	3	3	3	3	3	2	2	3	22
19	3	3	3	3	2	3	1	2	20
20	2	3	3	3	2	3	2	3	21
21	3	3	2	3	3	2	1	2	19
22	2	2	3	3	2	3	2	3	20
23	2	2	3	2	2	2	2	2	17
24	3	3	4	5	3	4	4	3	29
25	3	3	4	4	4	3	2	2	25
26	3	3	3	4	4	4	2	3	26
27	3	3	4	3	3	2	2	3	23
28	2	3	3	3	3	3	2	3	22
29	2	3	3	2	3	3	3	3	22
30	3	3	3	3	3	2	3	3	23
31	4	4	3	2	2	3	1	3	22

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	3	3	2	2	1	3	19
2	3	3	3	3	3	2	2	3	22
3	2	3	3	3	3	3	2	2	21
4	2	3	4	4	3	2	2	3	23
5	3	3	3	3	3	3	2	3	23
6	3	3	3	2	3	3	3	3	23
7	3	3	3	3	3	2	1	3	21
8	3	3	3	3	3	3	2	3	23
9	2	3	3	3	3	3	2	3	22
10	2	3	3	3	3	3	3	3	23
11	3	3	3	4	3	3	2	3	24
12	3	3	3	3	3	3	1	3	22
13	3	3	4	3	3	3	2	3	24
14	3	3	4	4	3	3	3	3	26
15	3	3	3	3	4	4	3	2	25
16	3	3	3	2	3	3	3	3	23
17	3	3	3	2	3	3	2	2	21
18	2	3	3	3	4	3	3	3	24
19	3	3	3	3	4	3	3	3	25
20	3	3	3	3	4	4	4	3	27
21	2	3	4	4	3	3	3	3	25
22	4	3	5	3	3	3	2	3	26
23	3	3	3	3	4	3	2	3	24
24	3	3	3	3	3	3	2	2	22
25	3	2	3	3	2	2	2	2	19
26	2	2	3	2	3	3	3	3	21
27	2	3	3	3	3	3	2	3	22
28	3	2	3	3	3	3	3	4	24
29	4	4	4	2	3	3	3	3	26
30	3	3	3	3	4	3	3	4	26

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	2	3	3	3	2	3	1	2	19
2	3	3	3	2	2	2	1	2	18
3	2	3	3	2	3	2	2	3	19
4	3	3	3	3	2	2	2	2	20
5	3	3	3	3	2	1	1	2	18
6	3	2	3	2	2	2	1	2	17
7	3	3	3	2	2	2	1	2	18
8	2	3	3	2	2	2	2	3	19
9	3	3	3	2	2	2	2	2	19
10	3	3	2	2	2	1	2	2	17
11	2	3	2	3	2	2	2	2	18
12	3	2	3	2	2	2	2	3	19
13	3	2	2	2	2	2	1	2	16
14	3	3	3	2	2	2	1	3	19
15	3	3	3	2	2	2	2	3	20
16	2	3	3	3	2	2	1	2	18
17	2	3	6	3	2	2	1	2	21
18	3	3	3	4	3	4	2	2	24
19	3	4	3	3	3	3	2	2	23
20	3	3	3	3	2	3	2	2	21
21	3	3	3	3	2	2	1	3	20
22	3	3	4	3	2	2	1	2	20
23	3	3	3	3	2	2	1	2	19
24	3	3	3	3	2	2	1	3	20
25	3	3	3	3	2	2	2	3	21
26	4	3	2	2	3	2	2	3	21
27	3	3	3	3	2	2	2	2	20
28	2	2	2	3	3	2	1	2	17
29	2	3	2	3	2	2	2	2	18
30	3	3	3	3	2	2	2	2	20
31	3	3	3	3	2	2	2	2	20

Remark :
- = Data Loss

TANGERANG MAGNETIC OBSERVATORY 2019

A INDICES FOR TWENTY FOUR HOURS IN UT

JANUARY		
DATE	INDICES 00-24	STORM CATEGORY
	1	
1	-	Data Loss
2	-	Data Loss
3	9	Quiet
4	15	Quiet
5	13	Quiet
6	15.5	Quiet
7	8.5	Quiet
8	11	Quiet
9	12.5	Quiet
10	-	Data Loss
11	10	Quiet
12	8	Quiet
13	9.5	Quiet
14	15	Quiet
15	10	Quiet
16	14	Quiet
17	10	Quiet
18	11	Quiet
19	9	Quiet
20	10	Quiet
21	-	Data Loss
22	16	Quiet
23	16.5	Quiet
24	16	Quiet
25	15	Quiet
26	12	Quiet
27	10.5	Quiet
28	12	Quiet
29	10	Quiet
30	11	Quiet
31	25.625	Quiet

FEBRUARY		
DATE	INDICES 00-24	STORM CATEGORY
	1	
1	16.5	Quiet
2	15.5	Quiet
3	12	Quiet
4	12.5	Quiet
5	8	Quiet
6	13	Quiet
7	11.5	Quiet
8	11	Quiet
9	12	Quiet
10	10.5	Quiet
11	12.5	Quiet
12	11.5	Quiet
13	17	Quiet
14	10	Quiet
15	7.5	Quiet
16	12	Quiet
17	12	Quiet
18	11.5	Quiet
19	9.5	Quiet
20	-	Data Loss
21	-	Data Loss
22	10.5	Quiet
23	8.5	Quiet
24	6.5	Quiet
25	10	Quiet
26	-	Data Loss
27	-	Data Loss
28	-	Data Loss

MARCH		
DATE	INDICES 00-24	STORM CATEGORY
	1	
1	-	Data Loss
2	-	Data Loss
3	9.5	Quiet
4	10.5	Quiet
5	10.5	Quiet
6	10	Quiet
7	12.5	Quiet
8	10	Quiet
9	10.5	Quiet
10	10.5	Quiet
11	10.5	Quiet
12	13.5	Quiet
13	9.5	Quiet
14	13	Quiet
15	10	Quiet
16	14	Quiet
17	13	Quiet
18	8.5	Quiet
19	12	Quiet
20	8.5	Quiet
21	10	Quiet
22	11	Quiet
23	10	Quiet
24	11	Quiet
25	12	Quiet
26	9	Quiet
27	11	Quiet
28	13	Quiet
29	10	Quiet
30	11.5	Quiet
31	16	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 2019

A INDICES FOR TWENTY FOUR HOURS IN UT

APRIL		
DATE	INDICES 00-24	STORM CATEGORY
	1	2
1	13	Quiet
2	12	Quiet
3	-	Data Loss
4	-	Data Loss
5	12.5	Quiet
6	10	Quiet
7	11	Quiet
8	14.5	Quiet
9	14	Quiet
10	17.5	Quiet
11	13	Quiet
12	-	Data Loss
13	10.5	Quiet
14	12	Quiet
15	13	Quiet
16	13	Quiet
17	11	Quiet
18	9.5	Quiet
19	11.5	Quiet
20	12	Quiet
21	11	Quiet
22	11	Quiet
23	14.5	Quiet
24	15.5	Quiet
25	13	Quiet
26	14	Quiet
27	14	Quiet
28	-	Data Loss
29	-	Data Loss
30	12	Quiet

MAY		
DATE	INDICES 00-24	STORM CATEGORY
	1	2
1	16.5	Quiet
2	16.5	Quiet
3	16.5	Quiet
4	15.5	Quiet
5	13	Quiet
6	17.5	Quiet
7	11	Quiet
8	10	Quiet
9	13	Quiet
10	13	Quiet
11	20	Quiet
12	13	Quiet
13	14	Quiet
14	18.6	Quiet
15	15	Quiet
16	14	Quiet
17	14	Quiet
18	12	Quiet
19	-	Data Loss
20	-	Data Loss
21	10	Quiet
22	-	Data Loss
23	-	Data Loss
24	13	Quiet
25	12	Quiet
26	12	Quiet
27	13	Quiet
28	14	Quiet
29	16.5	Quiet
30	13	Quiet
31	10	Quiet

JUNE		
DATE	INDICES 00-24	STORM CATEGORY
	1	2
1	11	Quiet
2	10	Quiet
3	11	Quiet
4	13.5	Quiet
5	11	Quiet
6	13.5	Quiet
7	15.5	Quiet
8	18	Quiet
9	13.5	Quiet
10	-	Data Loss
11	-	Data Loss
12	-	Data Loss
13	-	Data Loss
14	12.5	Quiet
15	12	Quiet
16	13	Quiet
17	11	Quiet
18	13	Quiet
19	13	Quiet
20	14	Quiet
21	11	Quiet
22	10	Quiet
23	11	Quiet
24	11	Quiet
25	-	Data Loss
26	-	Data Loss
27	11	Quiet
28	13	Quiet
29	11	Quiet
30	12	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 2019

A INDICES FOR TWENTY FOUR HOURS IN UT

JULY		
DATE	INDICES 00-24	STORM CATEGORY
	1	2
1	12.5	Quiet
2	12	Quiet
3	11	Quiet
4	-	Data Loss
5	-	Data Loss
6	10.5	Quiet
7	12	Quiet
8	12.5	Quiet
9	14	Quiet
10	16.5	Quiet
11	11	Quiet
12	10.5	Quiet
13	14	Quiet
14	11.5	Quiet
15	11.5	Quiet
16	9.5	Quiet
17	12	Quiet
18	9.5	Quiet
19	12	Quiet
20	13	Quiet
21	13.5	Quiet
22	14.5	Quiet
23	12	Quiet
24	11.5	Quiet
25	8.5	Quiet
26	9	Quiet
27	12	Quiet
28	11.5	Quiet
29	11.5	Quiet
30	13	Quiet
31	12.5	Quiet

AUGUST		
DATE	INDICES 00-24	STORM CATEGORY
	1	2
1	13	Quiet
2	9	Quiet
3	9.5	Quiet
4	-	Data Loss
5	-	Data Loss
6	12.5	Quiet
7	9.5	Quiet
8	11.5	Quiet
9	17.1	Quiet
10	10	Quiet
11	12	Quiet
12	11.5	Quiet
13	12	Quiet
14	-	Data Loss
15	9.5	Quiet
16	13	Quiet
17	11	Quiet
18	12	Quiet
19	12.5	Quiet
20	8.5	Quiet
21	10	Quiet
22	12.5	Quiet
23	11	Quiet
24	12	Quiet
25	-	Data Loss
26	17	Quiet
27	18	Quiet
28	11.5	Quiet
29	11	Quiet
30	19.6	Quiet
31	19.6	Quiet

SEPTEMBER		
DATE	INDICES 00-24	STORM CATEGORY
	1	2
1	25.625	Quiet
2	15.5	Quiet
3	57.25	Minor
4	22.125	Quiet
5	16.5	Quiet
6	15	Quiet
7	12	Quiet
8	15.5	Quiet
9	14.5	Quiet
10	11.5	Quiet
11	10.5	Quiet
12	10.5	Quiet
13	15	Quiet
14	11	Quiet
15	11	Quiet
16	11	Quiet
17	17	Quiet
18	13	Quiet
19	11	Quiet
20	14.5	Quiet
21	16.625	Quiet
22	14	Quiet
23	13	Quiet
24	15	Quiet
25	12	Quiet
26	14	Quiet
27	25.125	Quiet
28	18.5	Quiet
29	15	Quiet
30	15	Quiet
31		

*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 2019

A INDICES FOR TWENTY FOUR HOURS IN UT

OCTOBER		
DATE	INDICES 00-24	STORM CATEGORY
	1	
1	10	Quiet
2	10	Quiet
3	10.5	Quiet
4	-	Data Loss
5	12	Quiet
6	11	Quiet
7	12	Quiet
8	-	Data Loss
9	14.5	Quiet
10	15	Quiet
11	14	Quiet
12	8.5	Quiet
13	8.5	Quiet
14	12	Quiet
15	11	Quiet
16	13	Quiet
17	11	Quiet
18	13	Quiet
19	11.5	Quiet
20	12	Quiet
21	10.5	Quiet
22	11	Quiet
23	8	Quiet
24	23.6	Quiet
25	17.5	Quiet
26	18.5	Quiet
27	14.5	Quiet
28	13	Quiet
29	13	Quiet
30	14	Quiet
31	14.5	Quiet

NOVEMBER		
DATE	INDICES 00-24	STORM CATEGORY
	1	
1	10.5	Quiet
2	13	Quiet
3	12	Quiet
4	15	Quiet
5	14	Quiet
6	14	Quiet
7	12.5	Quiet
8	14	Quiet
9	13	Quiet
10	14	Quiet
11	15.5	Quiet
12	13.5	Quiet
13	15.5	Quiet
14	18	Quiet
15	17	Quiet
16	14	Quiet
17	12	Quiet
18	15.5	Quiet
19	16.5	Quiet
20	19.5	Quiet
21	17	Quiet
22	19.6	Quiet
23	15.5	Quiet
24	13	Quiet
25	10	Quiet
26	12	Quiet
27	13	Quiet
28	15.5	Quiet
29	18.5	Quiet
30	18	Quiet

DECEMBER		
DATE	INDICES 00-24	STORM CATEGORY
	1	
1	10.5	Quiet
2	9.5	Quiet
3	10	Quiet
4	11	Quiet
5	10	Quiet
6	8.5	Quiet
7	9.5	Quiet
8	10	Quiet
9	10	Quiet
10	8.5	Quiet
11	9	Quiet
12	10	Quiet
13	7.5	Quiet
14	10.5	Quiet
15	11	Quiet
16	9.5	Quiet
17	17.6	Quiet
18	16	Quiet
19	14.5	Quiet
20	12	Quiet
21	11.5	Quiet
22	12	Quiet
23	10.5	Quiet
24	11.5	Quiet
25	12	Quiet
26	12.5	Quiet
27	11	Quiet
28	8.5	Quiet
29	9	Quiet
30	11	Quiet
31	11	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

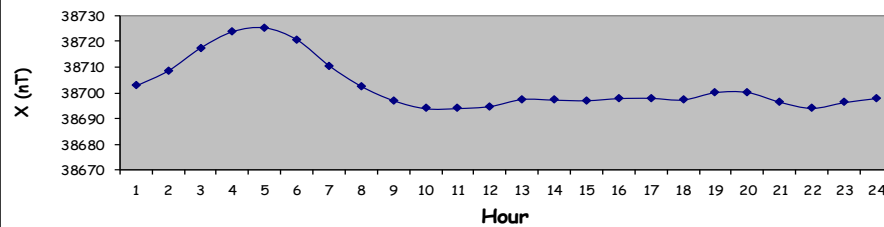
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

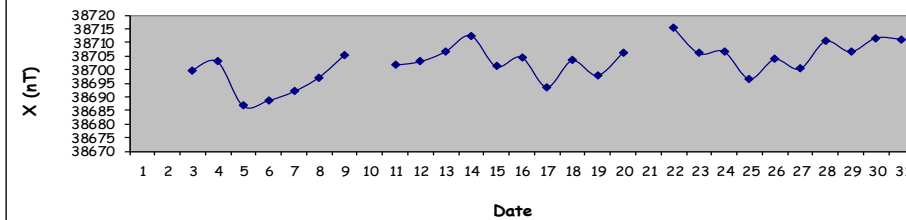
January-19

DATE	HOUR																							MEAN	
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1																									
2																									
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4D	38704	38707	38714	38723	38727	38716	38712	38711	38707	38695	38687	38702	38707	38701	38698	38706	38702	38690	38686	38688	38693	38702	38698	38698	38703
5	38700	38697	38704	38703	38699	38701	38697	38687	38676	38666	38683	38679	38678	38682	38686	38685	38676	38678	38686	38686	38683	38681	38689	38683	38687
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8	38703	38708	38712	38716	38713	38699	38689	38690	38688	38684	38682	38690	38690	38695	38693	38700	38697	38695	38699	38700	38698	38695	38697	38699	38697
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10																									
11	38710	38725	38733	38732	38737	38732	38714	38695	38685	38687	38689	38690	38690	38691	38692	38692	38694	38694	38700	38695	38692	38688	38690	38693	38702
12	38704	38707	38714	38723	38727	38716	38712	38711	38707	38695	38687	38702	38707	38701	38698	38706	38702	38690	38686	38688	38693	38702	38698	38698	38703
13	38698	38706	38719	38725	38728	38726	38716	38709	38704	38701	38697	38696	38699	38700	38700	38702	38700	38699	38701	38702	38703	38703	38710	38716	38707
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24D	38725	38724	38738	38743	38730	38718	38698	38684	38692	38693	38697	38700	38700	38703	38700	38703	38702	38698	38706	38708	38697	38699	38701	38701	38707
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28Q	38699	38708	38717	38727	38734	38738	38733	38727	38718	38710	38703	38700	38703	38705	38704	38705	38707	38705	38705	38706	38701	38698	38698	38699	38710
29Q	38697	38698	38708	38720	38728	38727	38724	38715	38705	38701	38702	38699	38700	38703	38706	38703	38703	38704	38707	38705	38703	38699	38701	38700	38707
30Q	38702	38709	38716	38720	38719	38719	38718	38717	38712	38708	38707	38708	38711	38711	38711	38710	38711	38711	38711	38712	38709	38709	38709	38708	38712
31D	38711	38721	38744	38753	38756	38753	38738	38727	38715	38708	38703	38698	38701	38696	38688	38681	38682	38688	38698	38704	38703	38688	38712	38700	38711
Mean	38703	38709	38718	38724	38725	38721	38711	38703	38697	38694	38694	38695	38698	38697	38697	38698	38698	38697	38700	38700	38697	38694	38696	38698	38703
Q	38698	38702	38711	38719	38725	38726	38723	38716	38708	38702	38700	38700	38703	38704	38706	38705	38705	38704	38706	38702	38700	38702	38701	38707	38707
D	38707	38711	38724	38731	38730	38723	38712	38703	38701	38698	38696	38699	38701	38699	38695	38693	38693	38690	38696	38699	38696	38700	38697	38704	38704

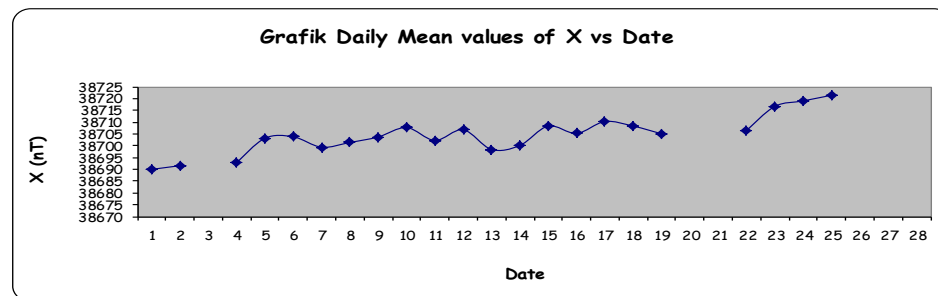
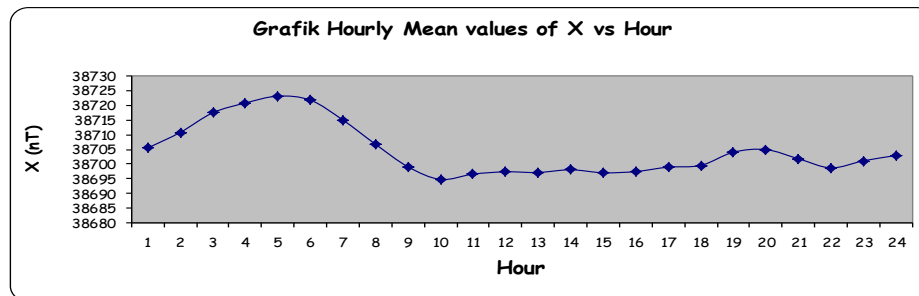
Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



TANGERANG MAGNETIC OBSERVATORY																							
February-19																							
DATE	HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)																						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1D	38701	38715	38723	38712	38705	38696	38695	38682	38682	38684	38678	38684	38686	38679	38662	38667	38689	38679	38682	38689	38688	38689	38694
2D	38690	38684	38700	38702	38701	38708	38709	38687	38673	38667	38674	38684	38685	38689	38682	38699	38689	38689	38710	38703	38692	38688	38695
3																							
4	38696	38696	38701	38706	38706	38708	38709	38699	38691	38690	38693	38693	38690	38680	38672	38671	38675	38682	38690	38694	38699	38695	38695
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6D	38702	38710	38723	38735	38743	38739	38729	38716	38698	38698	38691	38679	38668	38682	38693	38694	38703	38694	38703	38701	38699	38699	38697
7	38693	38695	38694	38708	38716	38715	38707	38701	38698	38695	38697	38699	38700	38698	38696	38698	38697	38699	38702	38701	38697	38695	38693
8	38699	38702	38713	38718	38720	38715	38707	38699	38692	38682	38688	38696	38700	38701	38701	38699	38697	38700	38703	38702	38704	38698	38697
9	38695	38704	38710	38713	38716	38723	38715	38705	38692	38683	38692	38698	38699	38700	38705	38705	38704	38702	38713	38713	38701	38697	38706
10	38714	38720	38726	38729	38736	38728	38714	38702	38698	38695	38697	38699	38701	38704	38704	38703	38702	38705	38704	38704	38701	38697	38703
11D	38709	38714	38716	38714	38715	38713	38704	38702	38699	38702	38703	38701	38704	38703	38695	38677	38682	38691	38703	38705	38698	38697	38705
12	38713	38714	38717	38711	38712	38716	38711	38706	38698	38703	38712	38713	38710	38701	38697	38698	38700	38702	38705	38706	38703	38703	38705
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15	38712	38723	38725	38726	38729	38728	38722	38714	38707	38702	38700	38698	38699	38701	38702	38699	38700	38700	38707	38706	38702	38698	38701
16Q	38705	38711	38723	38729	38728	38717	38708	38702	38696	38696	38701	38702	38703	38701	38697	38698	38697	38696	38697	38704	38704	38701	38704
17	38710	38716	38719	38719	38720	38720	38717	38713	38706	38701	38702	38703	38704	38706	38707	38707	38706	38707	38711	38709	38711	38710	38712
18	38722	38730	38735	38729	38727	38726	38727	38719	38708	38698	38699	38702	38700	38698	38691	38691	38697	38697	38701	38702	38700	38699	38701
19Q	38702	38701	38707	38711	38717	38717	38711	38706	38707	38706	38706	38702	38701	38702	38702	38701	38701	38701	38704	38707	38703	38701	38704
20																							
21																							
22	38703	38708	38714	38720	38724	38721	38710	38704	38697	38692	38700	38702	38700	38701	38704	38707	38706	38706	38707	38708	38706	38701	38704
23Q	38715	38723	38734	38737	38740	38740	38726	38721	38717	38712	38708	38710	38711	38710	38709	38710	38709	38709	38713	38712	38708	38705	38709
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25	38720	38727	38735	38742	38745	38746	38735	38730	38723	38712	38710	38711	38712	38715	38717	38718	38716	38715	38718	38718	38717	38709	38712
26																							
27																							
28																							
Mean	38705	38711	38717	38721	38723	38722	38715	38707	38699	38695	38697	38697	38697	38698	38697	38698	38699	38700	38704	38705	38702	38699	38701
Q	38710	38715	38725	38730	38732	38729	38720	38714	38709	38707	38706	38706	38706	38706	38705	38705	38704	38704	38707	38709	38706	38703	38706
D	38701	38706	38715	38716	38716	38714	38709	38697	38688	38688	38687	38687	38686	38688	38683	38684	38691	38688	38700	38699	38694	38693	38697



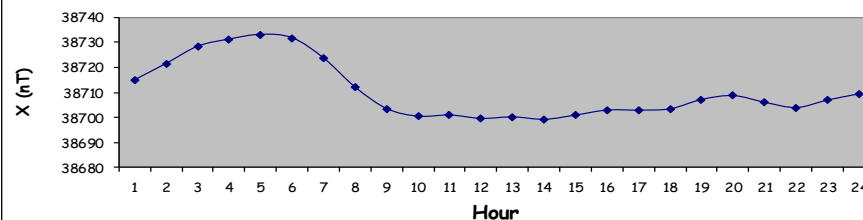
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

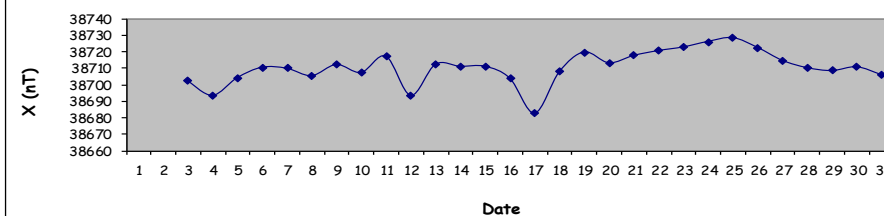
March-19

DATE	HOUR																							MEAN	
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1																									
2																									
3	38709	38714	38722	38716	38714	38715	38710	38702	38696	38691	38692	38695	38697	38694	38695	38700	38698	38701	38703	38702	38699	38697	38698	38700	38702
4	38705	38715	38719	38718	38712	38707	38699	38692	38681	38679	38673	38669	38677	38671	38675	38686	38694	38696	38698	38700	38696	38693	38694	38699	38694
5	38698	38706	38719	38726	38727	38722	38712	38703	38695	38694	38698	38697	38700	38698	38697	38697	38696	38699	38705	38705	38701	38698	38701	38705	38704
6	38712	38721	38732	38738	38745	38742	38719	38714	38718	38712	38711	38712	38701	38697	38699	38697	38695	38693	38705	38697	38695	38696	38699	38702	38710
7D	38711	38720	38727	38732	38741	38742	38731	38724	38720	38715	38712	38710	38708	38703	38698	38693	38681	38684	38698	38698	38695	38696	38699	38697	38710
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9D	38708	38717	38727	38736	38743	38744	38735	38725	38712	38703	38707	38705	38705	38697	38698	38702	38703	38703	38705	38706	38704	38700	38702	38702	38712
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12	38705	38715	38719	38718	38712	38707	38699	38692	38681	38679	38673	38669	38677	38671	38675	38686	38694	38696	38698	38700	38696	38693	38694	38699	38694
13	38710	38718	38724	38735	38735	38732	38729	38716	38699	38695	38698	38698	38701	38706	38709	38712	38710	38709	38710	38708	38707	38707	38712	38717	38712
14D	38723	38729	38737	38745	38749	38742	38722	38708	38706	38704	38700	38690	38678	38691	38698	38699	38700	38698	38700	38702	38703	38717	38710	38715	38711
15	38720	38725	38730	38725	38721	38718	38707	38708	38707	38708	38704	38705	38706	38702	38701	38703	38708	38716	38706	38706	38710	38713	38711	38711	38711
16D	38717	38724	38728	38725	38728	38733	38730	38713	38701	38683	38676	38682	38696	38698	38709	38700	38684	38681	38691	38696	38697	38698	38708	38695	38704
17	38706	38709	38700	38688	38692	38692	38687	38676	38656	38650	38640	38640	38660	38667	38677	38689	38686	38688	38695	38699	38696	38696	38698	38701	38683
18Q	38705	38708	38713	38718	38723	38725	38720	38709	38702	38699	38703	38703	38701	38700	38702	38703	38706	38707	38710	38710	38702	38706	38710	38708	38708
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23Q	38724	38729	38738	38743	38749	38753	38747	38733	38718	38710	38713	38711	38712	38713	38714	38715	38715	38717	38719	38719	38715	38712	38715	38715	38723
24	38719	38724	38731	38737	38749	38753	38741	38724	38716	38713	38718	38719	38720	38720	38720	38721	38720	38719	38722	38724	38719	38721	38736	38737	38726
25	38743	38740	38743	38749	38757	38762	38753	38733	38722	38717	38719	38718	38716	38714	38717	38715	38714	38718	38719	38721	38723	38719	38721	38723	38728
26	38725	38728	38738	38743	38744	38742	38737	38724	38716	38714	38716	38715	38713	38712	38713	38717	38716	38718	38719	38719	38716	38714	38714	38727	38722
27	38735	38737	38738	38743	38745	38740	38736	38727	38702	38697	38700	38686	38688	38693	38700	38705	38706	38704	38711	38713	38714	38706	38710	38714	38715
28	38721	38733	38743	38742	38733	38726	38715	38704	38694	38704	38711	38708	38701	38695	38683	38694	38703	38701	38702	38704	38712	38701	38708	38707	38710
29	38710	38714	38723	38731	38728	38724	38721	38706	38690	38692	38699	38701	38701	38701	38702	38705	38706	38704	38714	38709	38705	38703	38707	38707	38708
30	38711	38715	38724	38725	38723	38722	38714	38704	38703	38704	38706	38705	38708	38708	38708	38708	38708	38708	38712	38712	38706	38704	38709	38712	38711
31	38721	38731	38738	38734	38722	38711	38710	38692	38696	38705	38709	38709	38701	38683	38678	38685	38694	38696	38700	38713	38705	38701	38702	38707	38706
Mean	38715	38722	38728	38731	38733	38732	38724	38712	38703	38700	38701	38700	38700	38699	38701	38703	38703	38703	38707	38709	38706	38704	38707	38709	38711
Q	38716	38723	38731	38736	38743	38744	38734	38720	38710	38705	38708	38707	38708	38708	38710	38711	38711	38711	38713	38715	38713	38707	38711	38714	38717
D	38715	38722	38730	38734	38740	38740	38729	38718	38710	38701	38699	38697	38697	38697	38701	38699	38692	38691	38698	38701	38700	38703	38705	38702	38709

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



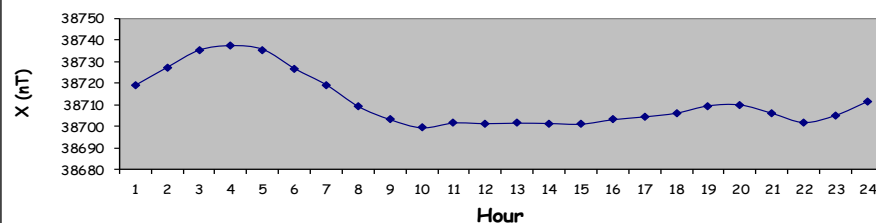
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

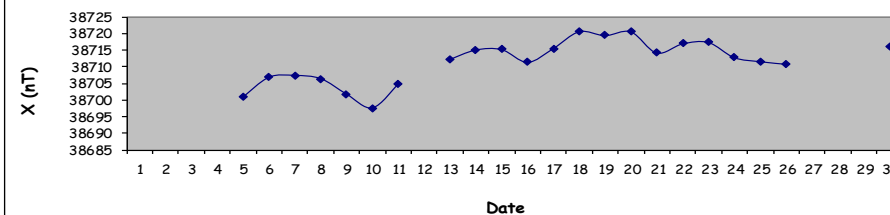
April-19

DATE	HOUR																							MEAN	
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1																									
2																									
3																									
4																									
5D	38712	38721	38724	38718	38712	38710	38701	38693	38687	38687	38692	38693	38693	38699	38686	38686	38694	38700	38701	38706	38703	38696	38703	38706	38701
6	38714	38723	38730	38731	38724	38717	38710	38698	38689	38691	38697	38700	38702	38703	38705	38706	38706	38704	38704	38707	38701	38697	38698	38705	38707
7	38715	38725	38735	38737	38730	38719	38707	38697	38694	38692	38693	38694	38697	38699	38699	38702	38704	38706	38705	38706	38705	38701	38707	38708	38707
8D	38718	38730	38744	38746	38735	38718	38711	38708	38704	38698	38695	38703	38706	38686	38692	38697	38696	38699	38696	38697	38697	38692	38691	38697	38706
9	38706	38712	38710	38721	38721	38712	38702	38695	38684	38683	38692	38694	38696	38691	38690	38688	38686	38702	38714	38710	38709	38703	38707	38713	38702
10D	38710	38713	38717	38699	38697	38694	38694	38697	38694	38690	38696	38698	38694	38694	38686	38686	38692	38704	38710	38696	38692	38691	38695	38700	38697
11	38703	38714	38728	38733	38733	38726	38709	38700	38691	38686	38690	38692	38698	38695	38697	38696	38703	38699	38703	38705	38701	38699	38704	38711	38705
12																									
13	38719	38730	38740	38737	38731	38719	38721	38713	38705	38699	38701	38700	38699	38701	38702	38704	38703	38706	38710	38714	38712	38707	38708	38714	38712
14	38721	38726	38732	38733	38735	38733	38729	38716	38705	38706	38708	38710	38708	38708	38707	38708	38708	38710	38714	38713	38707	38703	38708	38713	38715
15	38723	38729	38735	38742	38744	38736	38730	38722	38711	38698	38700	38704	38706	38709	38710	38712	38709	38705	38712	38710	38710	38697	38700	38711	38715
16	38724	38736	38745	38742	38746	38732	38715	38699	38695	38702	38701	38695	38696	38696	38699	38698	38702	38705	38708	38707	38706	38703	38704	38712	38711
17	38723	38730	38738	38741	38740	38735	38732	38717	38708	38703	38710	38710	38709	38708	38707	38708	38708	38703	38705	38707	38705	38702	38706	38716	38716
18Q	38729	38738	38750	38756	38754	38743	38731	38715	38706	38703	38707	38708	38710	38710	38709	38711	38712	38709	38712	38714	38717	38712	38717	38721	38721
19	38726	38731	38740	38751	38749	38739	38730	38716	38712	38709	38716	38711	38703	38702	38703	38711	38711	38711	38715	38720	38714	38711	38714	38721	38719
20Q	38730	38740	38749	38756	38754	38737	38728	38717	38712	38706	38709	38710	38712	38717	38717	38713	38711	38710	38714	38717	38710	38705	38706	38713	38721
21Q	38721	38731	38736	38737	38736	38725	38717	38711	38707	38699	38698	38700	38704	38706	38709	38711	38711	38711	38714	38716	38710	38706	38709	38714	38714
22Q	38721	38729	38738	38742	38738	38728	38723	38710	38712	38711	38712	38712	38709	38708	38708	38709	38709	38710	38715	38717	38709	38708	38710	38718	38717
23D	38727	38737	38750	38747	38741	38734	38725	38716	38714	38709	38711	38711	38710	38706	38700	38701	38708	38714	38725	38721	38699	38699	38703	38709	38717
24	38725	38730	38740	38743	38745	38741	38739	38728	38718	38707	38698	38685	38686	38689	38697	38710	38707	38704	38704	38704	38699	38697	38699	38711	38713
25	38721	38730	38734	38736	38742	38732	38718	38706	38703	38699	38700	38693	38691	38702	38702	38706	38706	38709	38710	38710	38705	38704	38706	38712	38712
26	38719	38727	38732	38736	38734	38728	38723	38712	38710	38704	38702	38699	38697	38697	38696	38699	38706	38707	38710	38710	38702	38699	38703	38705	38711
27																									
28																									
29																									
30	38715	38720	38728	38737	38740	38731	38726	38717	38712	38707	38710	38708	38708	38708	38705	38706	38705	38710	38711	38712	38722	38711	38717	38724	38716
Mean	38719	38727	38735	38737	38736	38727	38719	38709	38703	38699	38702	38701	38702	38701	38701	38703	38705	38706	38710	38710	38706	38702	38705	38712	38712
Q	38725	38734	38743	38748	38746	38733	38725	38713	38709	38705	38707	38708	38709	38710	38710	38711	38711	38710	38714	38716	38712	38708	38710	38717	38718
D	38717	38725	38734	38727	38721	38714	38708	38704	38700	38696	38699	38701	38701	38696	38691	38692	38697	38704	38708	38705	38698	38694	38698	38703	38705

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



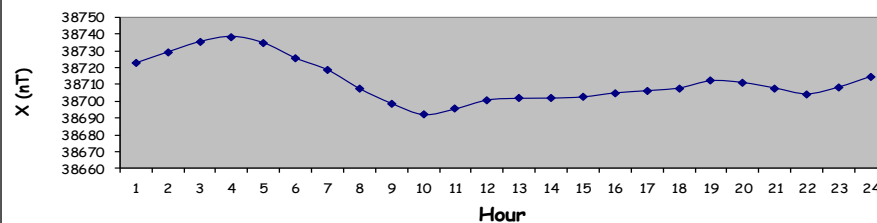
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

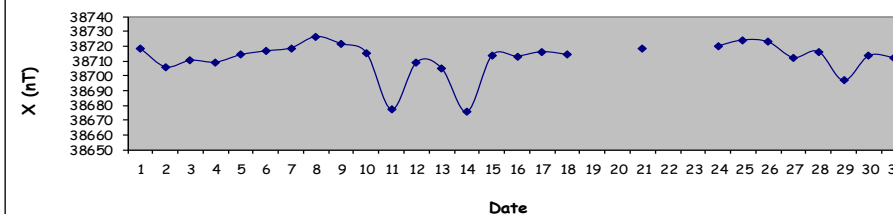
May-19

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	38732	38738	38745	38746	38740	38734	38729	38716	38705	38698	38703	38709	38711	38707	38706	38711	38719	38708	38727	38711	38706	38706	38715	38716	38718
2D	38722	38720	38718	38712	38698	38699	38703	38699	38689	38687	38694	38700	38706	38700	38697	38703	38704	38707	38721	38713	38712	38709	38712	38718	38706
3	38726	38724	38722	38723	38721	38712	38708	38700	38699	38692	38692	38697	38700	38701	38702	38707	38711	38714	38724	38717	38710	38713	38717	38714	38710
4	38722	38732	38747	38756	38749	38738	38719	38697	38679	38669	38685	38701	38701	38702	38700	38697	38702	38701	38711	38706	38699	38696	38700	38708	38709
5Q	38718	38726	38732	38736	38731	38723	38715	38706	38703	38703	38706	38711	38711	38709	38710	38713	38714	38713	38713	38713	38708	38705	38707	38713	38714
6	38722	38736	38749	38753	38748	38736	38727	38718	38695	38692	38707	38711	38714	38716	38714	38716	38709	38707	38707	38707	38706	38703	38699	38703	38712
7	38723	38729	38737	38746	38741	38735	38731	38720	38711	38703	38706	38709	38712	38709	38706	38706	38707	38710	38721	38717	38717	38714	38716	38722	38719
8	38729	38739	38749	38751	38746	38736	38731	38724	38721	38713	38716	38718	38719	38720	38719	38720	38719	38724	38725	38727	38724	38718	38717	38725	38726
9	38733	38740	38747	38753	38752	38751	38741	38722	38710	38707	38700	38707	38711	38712	38712	38716	38713	38715	38716	38716	38713	38708	38707	38715	38721
10	38721	38724	38731	38729	38729	38724	38718	38708	38700	38700	38704	38707	38710	38710	38710	38715	38713	38712	38723	38717	38709	38712	38722	38722	38715
11D	38724	38718	38702	38708	38711	38716	38716	38699	38666	38639	38637	38645	38616	38636	38644	38653	38661	38669	38676	38678	38678	38681	38685	38695	38677
12Q	38722	38732	38747	38756	38749	38738	38719	38697	38679	38669	38685	38701	38701	38702	38700	38697	38702	38701	38711	38706	38699	38696	38700	38708	38709
13	38712	38718	38723	38724	38723	38718	38712	38702	38700	38696	38690	38693	38704	38704	38703	38692	38690	38692	38699	38703	38699	38698	38705	38719	38705
14	38731	38723	38729	38730	38716	38637	38622	38611	38635	38647	38656	38661	38664	38668	38667	38667	38677	38683	38680	38683	38685	38678	38681	38686	38676
15	38696	38706	38715	38718	38716	38715	38721	38719	38714	38708	38710	38709	38712	38713	38711	38715	38712	38718	38720	38718	38711	38710	38716	38724	38714
16	38730	38740	38743	38740	38735	38724	38716	38707	38706	38698	38699	38706	38708	38701	38700	38701	38706	38712	38710	38714	38710	38702	38704	38703	38713
17	38706	38726	38732	38742	38747	38746	38736	38716	38702	38700	38706	38710	38706	38702	38702	38708	38711	38712	38714	38715	38716	38708	38709	38714	38716
18	38721	38728	38735	38738	38739	38736	38730	38715	38701	38685	38694	38702	38706	38705	38707	38709	38710	38709	38715	38716	38711	38706	38710	38712	38714
19																									
20																									
21Q	38721	38730	38739	38739	38737	38730	38723	38722	38711	38705	38708	38714	38712	38708	38710	38713	38713	38714	38714	38718	38713	38710	38717	38725	38719
22																									
23																									
24	38718	38730	38743	38748	38736	38726	38726	38719	38713	38709	38710	38709	38709	38709	38714	38718	38718	38719	38718	38716	38714	38709	38719	38729	38720
25Q	38730	38733	38743	38748	38751	38743	38732	38723	38718	38713	38715	38715	38716	38716	38719	38720	38718	38718	38721	38722	38717	38713	38714	38718	38724
26	38724	38727	38737	38743	38743	38735	38725	38714	38710	38710	38713	38716	38717	38715	38715	38716	38719	38719	38721	38721	38717	38716	38731	38740	38723
27	38748	38749	38749	38762	38755	38749	38739	38712	38696	38685	38680	38686	38690	38690	38693	38697	38695	38700	38705	38705	38703	38698	38699	38706	38712
28	38717	38724	38733	38737	38736	38733	38722	38715	38703	38696	38703	38706	38709	38709	38709	38715	38716	38719	38719	38715	38713	38707	38712	38722	38716
29D	38730	38735	38731	38713	38703	38693	38689	38694	38679	38665	38660	38676	38678	38683	38691	38691	38699	38699	38697	38705	38706	38700	38698	38707	38697
30	38711	38727	38736	38738	38731	38729	38730	38713	38707	38696	38704	38704	38702	38704	38708	38712	38711	38710	38709	38708	38710	38702	38706	38714	38713
31	38724	38733	38742	38745	38745	38731	38717	38710	38710	38701	38696	38695	38698	38700	38699	38703	38702	38704	38708	38709	38705	38702	38704	38710	38712
Mean	38723	38729	38735	38738	38734	38725	38718	38707	38699	38692	38695	38701	38702	38702	38703	38705	38706	38708	38712	38711	38708	38704	38708	38715	38712
Q	38723	38730	38740	38745	38742	38733	38722	38712	38703	38698	38703	38710	38710	38709	38710	38711	38712	38712	38715	38715	38709	38706	38709	38716	38716
D	38727	38728	38724	38720	38713	38711	38709	38702	38685	38672	38673	38683	38678	38682	38684	38689	38696	38696	38705	38702	38700	38699	38702	38709	38700

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



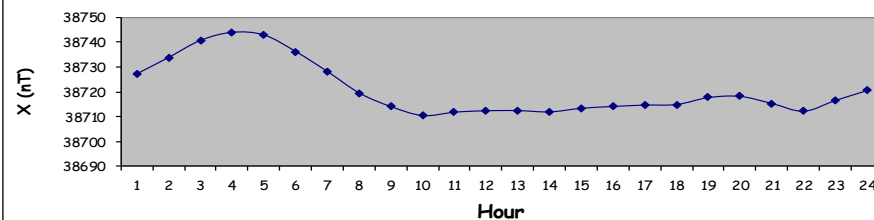
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

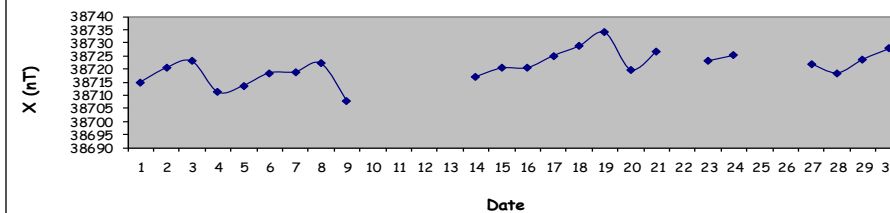
June-19

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	38716	38721	38725	38729	38732	38728	38725	38715	38706	38700	38703	38707	38710	38709	38710	38711	38711	38711	38714	38716	38713	38711	38715	38720	38715
2Q	38728	38736	38739	38739	38736	38732	38730	38726	38717	38706	38707	38711	38713	38712	38713	38713	38715	38717	38717	38719	38715	38712	38716	38721	38720
3	38728	38736	38746	38745	38739	38732	38727	38722	38718	38722	38721	38718	38714	38715	38715	38713	38714	38715	38719	38721	38718	38713	38717	38723	38723
4D	38730	38738	38748	38751	38750	38735	38717	38704	38697	38697	38707	38710	38711	38712	38712	38703	38690	38684	38687	38693	38692	38691	38700	38708	38711
5	38714	38721	38731	38736	38738	38734	38724	38710	38707	38702	38703	38704	38705	38705	38706	38707	38707	38707	38710	38712	38709	38707	38712	38718	38714
6Q	38723	38731	38738	38738	38733	38726	38726	38722	38718	38714	38715	38714	38713	38710	38710	38712	38712	38711	38716	38716	38711	38706	38710	38717	38718
7	38726	38733	38736	38737	38729	38723	38718	38717	38714	38713	38711	38717	38720	38717	38714	38715	38713	38719	38715	38715	38713	38708	38714	38716	38719
8D	38719	38726	38731	38737	38742	38738	38729	38718	38715	38717	38730	38729	38729	38727	38731	38721	38730	38706	38724	38710	38707	38698	38714	38705	38722
9D	38712	38719	38717	38726	38723	38715	38708	38704	38702	38700	38701	38700	38698	38699	38699	38700	38703	38710	38710	38711	38709	38705	38704	38708	38708
10																									
11																									
12																									
13																									
14D	38726	38731	38739	38744	38743	38733	38719	38713	38713	38705	38699	38699	38702	38700	38704	38710	38709	38712	38716	38720	38717	38712	38716	38725	38717
15	38732	38739	38745	38745	38742	38738	38726	38717	38713	38710	38710	38708	38709	38711	38712	38715	38714	38713	38715	38717	38713	38711	38712	38720	38720
16Q	38726	38731	38740	38746	38748	38735	38724	38719	38716	38714	38714	38713	38712	38711	38711	38712	38712	38714	38717	38720	38715	38711	38713	38717	38720
17	38726	38737	38746	38748	38748	38743	38735	38726	38720	38713	38712	38712	38712	38709	38714	38717	38719	38721	38723	38723	38725	38721	38725	38728	38725
18	38733	38740	38746	38750	38749	38744	38736	38729	38727	38722	38722	38722	38720	38721	38720	38723	38722	38722	38725	38725	38725	38721	38724	38726	38729
19	38736	38748	38757	38760	38762	38761	38751	38742	38734	38726	38721	38720	38721	38719	38724	38722	38725	38726	38728	38729	38726	38724	38727	38729	38734
20	38733	38740	38748	38755	38751	38743	38724	38708	38698	38696	38695	38700	38709	38709	38711	38712	38716	38717	38722	38722	38716	38714	38713	38720	38720
21	38734	38744	38763	38764	38759	38746	38736	38726	38716	38709	38712	38712	38714	38715	38714	38715	38715	38720	38720	38721	38720	38722	38725	38721	38727
22																									
23	38736	38740	38747	38752	38748	38738	38733	38722	38715	38711	38714	38713	38708	38705	38710	38715	38716	38718	38720	38720	38715	38714	38719	38726	38723
24	38737	38744	38751	38751	38745	38740	38733	38723	38716	38714	38717	38716	38711	38713	38716	38717	38717	38718	38721	38721	38719	38717	38721	38724	38725
25																									
26																									
27	38725	38730	38732	38734	38735	38731	38728	38722	38718	38712	38712	38712	38708	38709	38714	38719	38722	38723	38726	38726	38724	38720	38721	38725	38722
28	38725	38723	38717	38720	38732	38731	38730	38721	38716	38713	38715	38717	38716	38714	38714	38716	38717	38717	38716	38716	38713	38710	38715	38721	38718
29Q	38728	38735	38741	38746	38744	38736	38729	38716	38709	38708	38711	38712	38713	38714	38717	38720	38722	38723	38724	38725	38721	38719	38725	38729	38724
30	38734	38737	38750	38756	38756	38749	38740	38726	38719	38718	38721	38721	38721	38716	38718	38720	38719	38722	38721	38722	38717	38716	38723	38725	38728
Mean	38727	38734	38741	38744	38743	38736	38728	38720	38714	38710	38712	38712	38712	38712	38713	38714	38715	38715	38718	38718	38715	38712	38717	38721	38721
Q	38726	38733	38740	38742	38740	38732	38727	38721	38715	38710	38712	38712	38713	38712	38713	38714	38715	38716	38719	38720	38716	38712	38716	38721	38721
D	38722	38728	38734	38740	38739	38730	38718	38710	38707	38705	38709	38710	38710	38710	38712	38709	38708	38703	38709	38708	38706	38701	38708	38711	38714

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



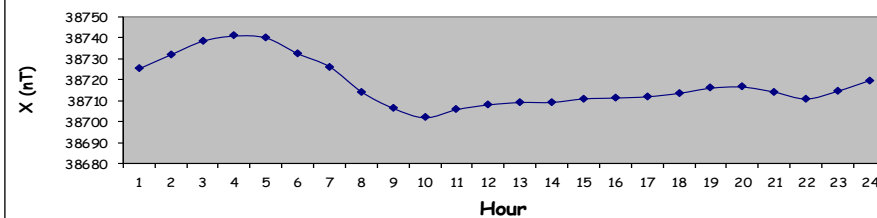
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

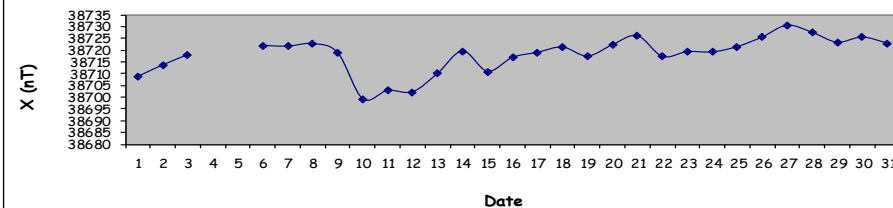
July-19

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	38728	38728	38727	38730	38722	38718	38707	38700	38691	38693	38698	38700	38695	38696	38701	38701	38712	38708	38712	38712	38710	38704	38705	38712	38709
2	38720	38730	38736	38739	38741	38735	38727	38714	38700	38697	38705	38706	38704	38701	38698	38698	38698	38700	38713	38712	38708	38708	38714	38721	38714
3	38726	38730	38739	38745	38743	38729	38721	38707	38698	38697	38710	38713	38719	38717	38717	38716	38715	38715	38713	38713	38710	38708	38712	38719	38718
4																									
5																									
6Q	38725	38732	38739	38743	38740	38728	38719	38712	38711	38707	38711	38716	38719	38720	38719	38719	38719	38719	38723	38722	38719	38718	38721	38726	38722
7	38731	38739	38748	38746	38747	38740	38732	38719	38711	38707	38708	38706	38707	38709	38712	38714	38716	38715	38722	38721	38713	38712	38719	38721	38722
8	38728	38733	38740	38741	38737	38730	38724	38710	38705	38702	38703	38704	38705	38708	38708	38710	38712	38714	38716	38732	38747	38744	38748	38742	38723
9D	38735	38741	38746	38753	38749	38734	38730	38718	38702	38696	38701	38711	38709	38701	38708	38712	38709	38717	38722	38706	38719	38710	38709	38713	38719
10D	38725	38737	38746	38749	38738	38696	38692	38676	38676	38650	38665	38671	38684	38681	38687	38692	38699	38701	38705	38708	38704	38698	38697	38703	38699
11D	38709	38711	38719	38725	38725	38715	38714	38700	38686	38689	38695	38694	38690	38694	38697	38699	38699	38701	38703	38704	38698	38698	38699	38702	38703
12	38708	38711	38718	38721	38724	38716	38700	38693	38680	38673	38686	38689	38690	38699	38703	38702	38701	38705	38707	38707	38704	38702	38705	38708	38702
13	38711	38719	38727	38730	38733	38729	38724	38714	38701	38690	38698	38704	38700	38697	38699	38704	38697	38703	38708	38713	38707	38707	38710	38716	38710
14	38724	38726	38727	38729	38733	38739	38734	38718	38712	38707	38710	38713	38711	38717	38720	38717	38717	38713	38716	38719	38716	38715	38715	38718	38719
15	38719	38718	38721	38722	38722	38727	38726	38717	38712	38709	38702	38699	38711	38707	38700	38697	38699	38699	38706	38710	38708	38707	38710	38713	38711
16	38721	38730	38733	38735	38733	38732	38726	38713	38704	38704	38706	38705	38707	38710	38711	38710	38709	38711	38716	38716	38718	38716	38718	38719	38717
17	38730	38744	38748	38742	38735	38729	38736	38720	38711	38704	38706	38707	38706	38707	38712	38713	38713	38713	38714	38715	38711	38709	38713	38717	38719
18	38725	38735	38744	38743	38741	38732	38726	38718	38715	38709	38711	38710	38713	38717	38718	38716	38715	38717	38720	38720	38718	38712	38713	38719	38721
19Q	38725	38726	38733	38739	38741	38732	38720	38707	38700	38697	38703	38709	38716	38717	38717	38717	38716	38715	38716	38716	38710	38709	38714	38721	38717
20Q	38726	38733	38746	38746	38748	38740	38730	38716	38707	38704	38711	38712	38713	38716	38717	38717	38720	38722	38721	38721	38714	38710	38715	38725	38722
21	38732	38740	38748	38747	38749	38746	38737	38729	38719	38707	38706	38708	38710	38711	38711	38717	38715	38725	38728	38732	38719	38707	38729	38751	38726
22	38759	38763	38763	38761	38755	38741	38720	38715	38701	38686	38691	38700	38697	38702	38710	38709	38708	38707	38706	38706	38700	38699	38705	38710	38717
23	38713	38721	38730	38736	38731	38723	38720	38711	38714	38710	38715	38727	38728	38716	38717	38716	38717	38720	38720	38720	38716	38712	38714	38715	38719
24	38717	38721	38732	38738	38748	38739	38735	38723	38716	38708	38710	38713	38712	38717	38718	38711	38711	38716	38717	38713	38711	38706	38709	38718	38719
25	38725	38731	38739	38741	38742	38734	38729	38719	38714	38709	38714	38715	38715	38714	38715	38717	38719	38720	38720	38716	38713	38716	38721	38721	38721
26Q	38727	38736	38740	38743	38742	38742	38735	38723	38717	38712	38713	38715	38717	38718	38719	38723	38723	38724	38724	38726	38726	38718	38720	38727	38725
27	38737	38745	38752	38759	38762	38756	38746	38734	38724	38731	38727	38728	38725	38722	38721	38722	38720	38723	38718	38715	38718	38713	38714	38722	38730
28	38732	38741	38749	38751	38747	38741	38739	38728	38720	38717	38718	38715	38717	38720	38723	38729	38727	38722	38721	38722	38718	38718	38719	38725	38727
29	38730	38739	38749	38752	38748	38743	38739	38723	38716	38715	38716	38716	38716	38714	38712	38711	38713	38715	38718	38719	38715	38711	38714	38718	38723
30D	38723	38736	38748	38749	38748	38745	38739	38728	38725	38721	38721	38719	38721	38712	38717	38708	38713	38715	38718	38717	38718	38716	38727	38727	38725
31	38727	38734	38735	38736	38737	38734	38734	38716	38700	38708	38713	38715	38715	38716	38715	38719	38721	38724	38726	38726	38726	38722	38725	38726	38723
Mean	38725	38732	38739	38741	38740	38733	38726	38714	38707	38702	38706	38708	38709	38709	38711	38712	38712	38714	38716	38717	38714	38711	38715	38720	38718
Q	38726	38732	38740	38743	38743	38736	38726	38714	38709	38705	38710	38713	38716	38718	38718	38719	38719	38720	38721	38721	38717	38713	38717	38725	38722
D	38723	38731	38739	38744	38740	38722	38719	38705	38697	38689	38695	38699	38701	38697	38702	38703	38705	38708	38712	38709	38710	38706	38708	38711	38712

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



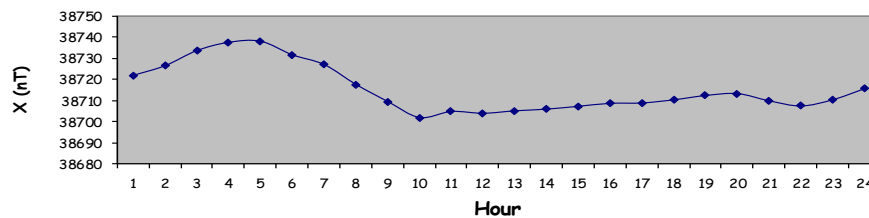
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

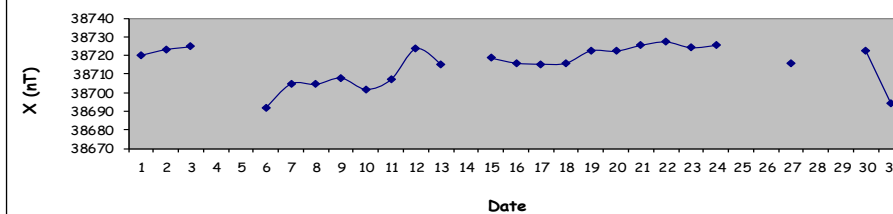
August-19

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	38725	38726	38725	38733	38742	38739	38732	38719	38714	38710	38710	38712	38710	38712	38715	38718	38719	38716	38720	38725	38719	38712	38710	38721	38720
2Q	38725	38729	38736	38740	38743	38737	38738	38723	38718	38709	38709	38711	38714	38714	38717	38719	38719	38722	38723	38724	38722	38720	38721	38725	38723
3Q	38730	38735	38742	38743	38744	38740	38734	38724	38717	38714	38718	38719	38719	38721	38722	38723	38721	38719	38719	38720	38716	38714	38718	38724	38725
4																									
5																									
6D	38694	38698	38699	38703	38704	38698	38695	38693	38686	38670	38673	38677	38687	38694	38689	38689	38690	38695	38698	38698	38695	38691	38689	38697	38692
7	38711	38718	38724	38730	38732	38721	38711	38695	38691	38688	38693	38696	38695	38696	38698	38701	38700	38705	38704	38704	38703	38698	38697	38701	38705
8	38704	38712	38720	38724	38725	38722	38708	38701	38699	38694	38698	38701	38704	38698	38700	38691	38698	38700	38705	38706	38702	38692	38698	38702	38704
9	38707	38714	38724	38727	38725	38717	38710	38692	38691	38692	38702	38701	38703	38696	38699	38704	38701	38714	38715	38712	38709	38709	38709	38714	38708
10	38712	38707	38710	38713	38713	38713	38706	38696	38692	38682	38694	38697	38698	38699	38699	38699	38699	38700	38704	38706	38702	38699	38700	38703	38702
11	38708	38713	38721	38720	38718	38719	38719	38709	38703	38700	38703	38695	38690	38693	38697	38703	38704	38707	38706	38707	38702	38707	38710	38716	38707
12	38724	38733	38752	38756	38753	38748	38744	38732	38724	38710	38715	38716	38712	38709	38710	38709	38711	38715	38714	38716	38716	38711	38717	38722	38724
13	38731	38733	38732	38741	38738	38734	38731	38722	38715	38712	38703	38699	38711	38706	38706	38706	38706	38712	38707	38706	38702	38701	38705	38711	38715
14																									
15Q	38724	38725	38730	38736	38742	38735	38728	38716	38706	38701	38704	38706	38709	38713	38715	38716	38715	38715	38719	38719	38717	38717	38720	38722	38719
16	38727	38733	38744	38756	38761	38754	38737	38718	38704	38686	38691	38699	38700	38704	38704	38706	38704	38704	38708	38710	38708	38704	38707	38713	38716
17	38721	38729	38735	38729	38721	38720	38722	38714	38707	38701	38706	38707	38707	38707	38708	38708	38710	38710	38717	38717	38714	38714	38717	38725	38715
18	38727	38722	38722	38729	38729	38725	38720	38713	38712	38707	38710	38711	38713	38713	38712	38708	38711	38715	38715	38713	38710	38710	38714	38718	38716
19Q	38723	38726	38731	38737	38737	38731	38733	38729	38727	38721	38719	38719	38720	38719	38718	38718	38717	38715	38718	38718	38715	38716	38716	38719	38723
20	38720	38726	38742	38748	38749	38746	38748	38737	38725	38714	38715	38712	38709	38710	38711	38716	38713	38715	38715	38717	38711	38708	38712	38717	38722
21	38718	38730	38741	38748	38749	38742	38743	38732	38731	38721	38719	38718	38717	38715	38715	38718	38721	38721	38724	38722	38722	38716	38715	38716	38725
22	38722	38729	38741	38751	38761	38755	38749	38736	38725	38721	38724	38721	38720	38718	38720	38719	38720	38716	38717	38718	38714	38715	38720	38727	38727
23	38735	38743	38755	38761	38753	38747	38740	38727	38716	38706	38707	38705	38708	38711	38711	38714	38716	38720	38723	38721	38715	38711	38715	38724	38724
24	38729	38737	38750	38749	38751	38743	38743	38729	38722	38711	38715	38715	38716	38717	38718	38719	38721	38722	38717	38720	38714	38712	38716	38726	38726
25																									
26																									
27D	38741	38745	38759	38768	38760	38735	38733	38718	38708	38698	38687	38677	38684	38693	38706	38709	38704	38708	38708	38713	38708	38705	38707	38709	38716
28																									
29																									
30D	38738	38740	38748	38744	38746	38735	38740	38763	38708	38707	38717	38718	38720	38712	38704	38704	38712	38705	38704	38714	38712	38714	38715	38723	38723
31D	38732	38736	38726	38717	38717	38706	38686	38683	38691	38674	38685	38665	38657	38676	38682	38690	38683	38680	38698	38698	38690	38686	38699	38702	38694
Mean	38722	38727	38734	38738	38738	38732	38727	38718	38710	38702	38705	38704	38705	38706	38707	38709	38709	38710	38712	38713	38710	38707	38710	38716	38715
Q	38725	38729	38735	38739	38742	38736	38733	38723	38717	38711	38712	38714	38716	38717	38718	38719	38718	38718	38720	38720	38717	38717	38719	38722	38722
D	38726	38730	38733	38733	38732	38718	38714	38714	38698	38687	38690	38684	38687	38694	38695	38698	38697	38697	38702	38706	38701	38699	38703	38708	38706

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date

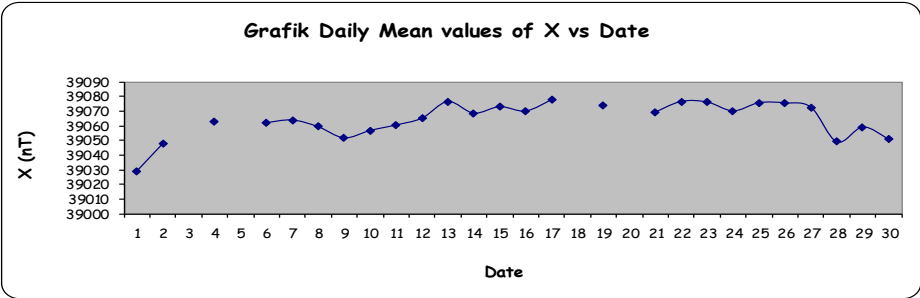
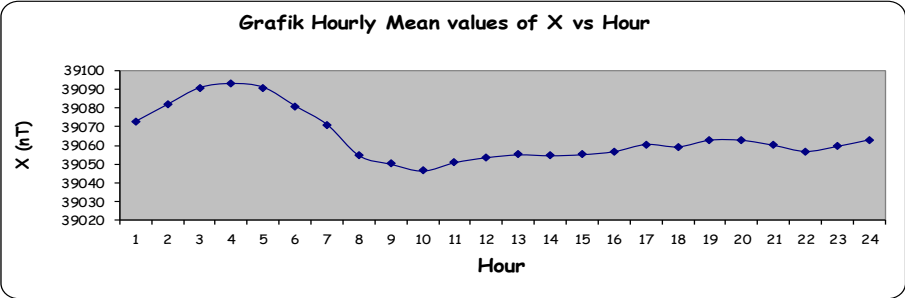


X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

September-19

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	39053	39062	39072	39055	39022	39006	39003	38997	39015	39004	38998	39018	39021	39013	39009	39024	39035	39038	39054	39053	39033	39032	39041	39043	39029
2D	39047	39064	39067	39070	39062	39055	39034	39038	39038	39035	39040	39039	39048	39051	39045	39040	39041	39042	39056	39043	39043	39046	39050	39052	39048
3																									
4	39136	39137	39124	39070	39073	39067	39071	39033	39029	39023	39042	39048	39049	39055	39060	39056	39054	39049	39051	39058	39061	39055	39052	39059	39063
5																									
6	39069	39081	39091	39120	39107	39086	39088	39056	39039	39032	39034	39042	39047	39051	39054	39055	39055	39056	39054	39054	39052	39051	39054	39059	39062
7	39068	39078	39087	39093	39092	39085	39073	39057	39058	39052	39049	39045	39050	39050	39061	39060	39058	39060	39065	39063	39057	39055	39056	39064	39064
8	39073	39083	39096	39099	39097	39077	39057	39040	39036	39037	39043	39054	39050	39044	39044	39048	39055	39053	39058	39060	39059	39049	39055	39057	39059
9	39068	39068	39078	39084	39084	39073	39059	39042	39046	39047	39027	39014	39024	39035	39036	39044	39065	39047	39050	39055	39052	39046	39047	39052	39052
10Q	39063	39069	39075	39072	39069	39058	39058	39055	39050	39047	39052	39054	39052	39043	39047	39051	39055	39058	39060	39057	39051	39053	39053	39053	39057
11	39059	39067	39075	39085	39092	39086	39067	39049	39049	39043	39057	39045	39046	39046	39052	39059	39055	39057	39061	39063	39063	39059	39060	39064	39060
12	39065	39071	39083	39085	39084	39082	39073	39060	39049	39041	39037	39047	39058	39062	39067	39063	39065	39060	39059	39061	39065	39066	39073	39084	39065
13	39096	39106	39112	39122	39118	39101	39081	39074	39065	39060	39061	39064	39063	39061	39062	39066	39070	39065	39062	39061	39065	39061	39064	39069	39076
14	39076	39082	39092	39095	39092	39084	39069	39054	39051	39048	39057	39062	39063	39064	39066	39066	39069	39068	39065	39070	39062	39062	39061	39067	39069
15	39079	39093	39105	39110	39098	39089	39086	39068	39059	39054	39061	39064	39066	39065	39067	39070	39064	39067	39063	39062	39057	39062	39068	39072	39073
16	39076	39084	39084	39073	39089	39079	39083	39074	39066	39058	39060	39063	39063	39065	39068	39063	39058	39062	39066	39069	39065	39066	39070	39075	39070
17	39080	39091	39113	39124	39122	39108	39092	39070	39063	39062	39066	39071	39071	39068	39068	39068	39067	39066	39072	39066	39069	39059	39059	39068	39078
18																									
19Q	39074	39088	39097	39101	39098	39089	39079	39068	39064	39062	39066	39067	39071	39068	39070	39068	39069	39068	39070	39070	39069	39064	39066	39073	39074
20																									
21	39085	39098	39110	39123	39124	39114	39100	39082	39063	39047	39038	39036	39041	39047	39052	39051	39055	39061	39059	39058	39054	39052	39056	39057	39069
22Q	39061	39066	39078	39088	39095	39094	39092	39081	39074	39068	39072	39074	39075	39078	39078	39075	39074	39077	39079	39077	39073	39069	39068	39068	39076
23	39072	39077	39087	39096	39108	39103	39090	39069	39060	39056	39065	39068	39074	39073	39071	39069	39065	39067	39073	39076	39073	39073	39076	39083	39076
24	39085	39095	39099	39102	39096	39074	39061	39048	39044	39048	39056	39060	39060	39065	39062	39068	39069	39061	39069	39075	39075	39068	39069	39071	39070
25	39081	39093	39102	39101	39103	39091	39080	39069	39063	39055	39064	39065	39068	39068	39069	39072	39072	39074	39074	39072	39072	39065	39067	39074	39076
26Q	39077	39080	39092	39100	39103	39095	39089	39071	39065	39064	39068	39069	39068	39070	39066	39069	39068	39069	39073	39074	39071	39068	39069	39073	39075
27D	39077	39086	39092	39095	39101	39097	39103	39085	39080	39086	39100	39088	39071	39052	39041	39038	39068	39046	39068	39057	39050	39043	39066	39048	39072
28D	39052	39068	39082	39077	39070	39072	39046	39010	39005	39008	39031	39044	39048	39047	39033	39046	39054	39059	39057	39055	39060	39054	39052	39048	39049
29	39061	39072	39084	39088	39083	39066	39056	39045	39044	39043	39053	39056	39056	39055	39057	39056	39062	39067	39060	39057	39051	39050	39046	39049	39059
30	39061	39072	39079	39082	39079	39073	39057	39026	39029	39032	39035	39039	39031	39025	39030	39032	39053	39049	39057	39058	39056	39054	39053	39060	39051
Mean	39073	39082	39091	39093	39091	39081	39071	39055	39050	39047	39051	39054	39055	39055	39055	39057	39061	39059	39063	39063	39060	39057	39060	39063	39064
Q	39069	39076	39086	39090	39091	39084	39080	39069	39063	39060	39065	39066	39066	39065	39065	39066	39066	39068	39071	39070	39068	39063	39064	39067	39071
D	39057	39070	39078	39074	39064	39058	39047	39032	39035	39033	39042	39047	39047	39041	39032	39037	39050	39046	39059	39052	39047	39044	39052	39048	39050



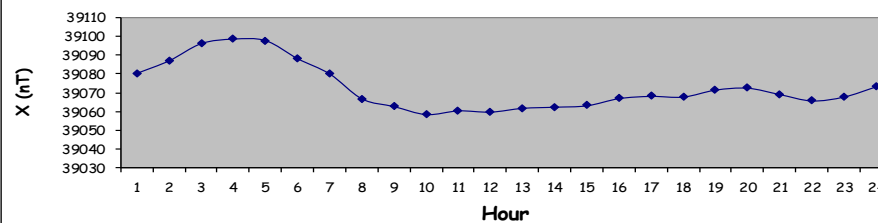
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

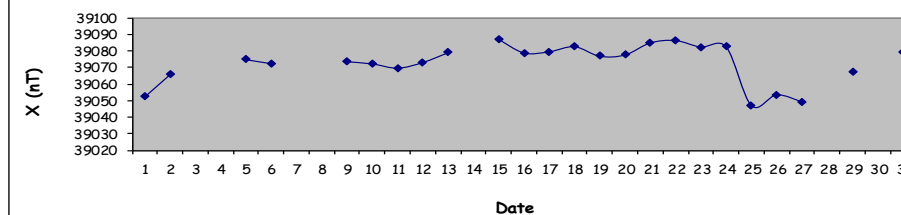
October-19

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	39078	39089	39089	39076	39076	39063	39042	39031	39029	39026	39032	39035	39044	39041	39045	39047	39049	39053	39055	39051	39049	39054	39061	39052	
2	39058	39066	39079	39087	39092	39086	39077	39061	39059	39057	39062	39059	39060	39055	39062	39059	39059	39058	39063	39066	39063	39059	39065	39066	39066
3																									
4																									
5	39079	39086	39095	39099	39102	39090	39081	39069	39067	39067	39072	39071	39068	39063	39057	39060	39063	39068	39075	39070	39068	39067	39075	39080	39075
6	39089	39100	39106	39108	39102	39092	39082	39067	39058	39052	39054	39059	39059	39055	39058	39070	39068	39066	39068	39068	39063	39062	39063	39067	39072
7																									
8																									
9	39082	39090	39099	39101	39104	39101	39092	39072	39063	39044	39027	39037	39048	39055	39065	39072	39073	39075	39081	39083	39069	39068	39075	39089	39074
10	39102	39115	39130	39129	39125	39095	39067	39045	39051	39051	39052	39052	39055	39057	39059	39049	39059	39059	39064	39067	39065	39062	39062	39065	39072
11D	39074	39089	39099	39099	39100	39092	39081	39061	39055	39052	39059	39062	39064	39058	39054	39068	39063	39061	39071	39064	39058	39056	39063	39067	39070
12Q	39080	39093	39100	39099	39100	39086	39076	39064	39058	39058	39065	39062	39063	39063	39065	39068	39066	39066	39068	39073	39068	39067	39069	39075	39073
13Q	39083	39090	39099	39102	39101	39094	39086	39070	39063	39062	39069	39074	39076	39076	39077	39077	39076	39075	39076	39077	39074	39071	39071	39076	39079
14																									
15	39087	39100	39104	39109	39107	39097	39090	39082	39078	39075	39081	39078	39079	39079	39079	39078	39079	39081	39083	39081	39084	39084	39090	39103	39087
16	39103	39098	39102	39101	39094	39080	39078	39065	39063	39068	39076	39079	39077	39076	39074	39073	39072	39073	39075	39076	39077	39067	39069	39076	39079
17	39086	39092	39098	39107	39102	39090	39084	39078	39074	39072	39073	39070	39073	39074	39073	39072	39075	39073	39076	39075	39075	39069	39072	39077	39080
18	39084	39095	39109	39123	39117	39103	39090	39075	39069	39069	39072	39070	39072	39072	39080	39076	39078	39079	39077	39076	39078	39072	39072	39074	39083
19	39081	39091	39104	39108	39114	39110	39103	39090	39078	39071	39065	39061	39062	39063	39059	39068	39063	39065	39063	39064	39061	39065	39072	39072	39077
20	39077	39085	39096	39097	39093	39089	39086	39072	39066	39062	39069	39068	39064	39063	39066	39072	39076	39079	39086	39086	39083	39080	39076	39073	39078
21Q	39074	39087	39103	39113	39114	39101	39093	39083	39078	39072	39083	39081	39085	39086	39080	39079	39078	39077	39077	39079	39077	39075	39077	39085	39085
22	39086	39092	39103	39107	39108	39103	39102	39091	39086	39078	39076	39075	39080	39081	39083	39083	39079	39082	39085	39079	39079	39076	39077	39080	39086
23Q	39083	39086	39093	39094	39091	39087	39084	39074	39071	39069	39075	39076	39079	39078	39080	39082	39083	39083	39085	39087	39085	39081	39082	39088	39082
24D	39096	39103	39113	39117	39118	39118	39123	39110	39115	39099	39066	39056	39041	39040	39047	39065	39074	39060	39065	39091	39072	39065	39059	39067	39083
25D	39079	39078	39072	39058	39058	39048	39032	39010	39001	38999	39020	39014	39028	39060	39054	39048	39056	39065	39063	39059	39057	39054	39056	39061	39047
26D	39070	39074	39071	39085	39082	39074	39072	39058	39051	39031	39021	39022	39035	39023	39028	39065	39050	39053	39066	39060	39056	39050	39043	39044	39054
27	39039	39034	39039	39042	39048	39038	39038	39034	39046	39048	39055	39047	39047	39053	39056	39061	39060	39058	39064	39063	39054	39051	39050	39059	39049
28																									
29	39074	39077	39086	39084	39086	39082	39076	39063	39059	39057	39061	39060	39058	39054	39051	39055	39065	39051	39057	39067	39067	39066	39075	39083	39067
30																									
31	39085	39081	39121	39118	39109	39093	39085	39079	39070	39067	39069	39070	39070	39070	39069	39069	39069	39074	39075	39075	39072	39069	39069	39071	39079
Mean	39080	39087	39096	39098	39098	39088	39080	39067	39063	39059	39061	39060	39062	39063	39063	39067	39068	39068	39072	39073	39069	39066	39068	39073	39073
Q	39080	39089	39098	39102	39102	39092	39085	39073	39068	39065	39073	39073	39076	39076	39075	39076	39076	39075	39077	39079	39076	39073	39075	39081	39080
D	39080	39086	39089	39090	39090	39083	39077	39060	39056	39045	39042	39039	39042	39046	39046	39061	39061	39060	39066	39069	39061	39056	39055	39060	39063

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



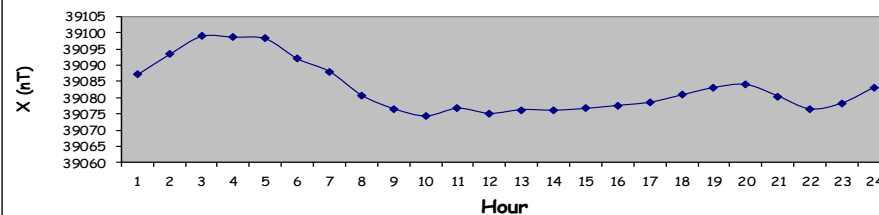
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

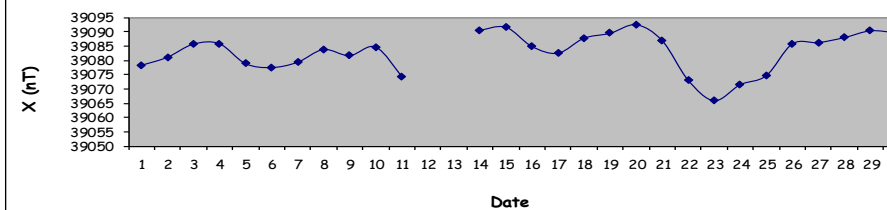
November-19

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	39075	39082	39088	39088	39095	39093	39089	39086	39085	39079	39073	39072	39071	39071	39071	39072	39076	39073	39075	39076	39073	39070	39071	39075	39078
2	39076	39079	39088	39089	39090	39089	39088	39081	39077	39076	39075	39076	39078	39078	39080	39080	39081	39079	39079	39082	39081	39078	39081	39084	39081
3Q	39092	39097	39104	39108	39109	39099	39092	39084	39077	39077	39079	39078	39080	39079	39081	39083	39081	39083	39084	39083	39080	39075	39075	39078	39086
4	39079	39085	39091	39092	39093	39093	39101	39117	39109	39102	39095	39085	39081	39076	39079	39076	39075	39075	39078	39080	39077	39070	39074	39078	39086
5	39083	39088	39089	39093	39091	39089	39090	39087	39081	39078	39078	39081	39077	39074	39067	39063	39068	39076	39071	39073	39075	39071	39073	39077	39079
6	39081	39085	39082	39082	39084	39083	39076	39067	39062	39061	39067	39067	39072	39072	39080	39083	39079	39079	39082	39084	39081	39082	39079	39088	39077
7	39097	39098	39101	39097	39092	39084	39081	39077	39073	39068	39067	39068	39071	39073	39077	39074	39075	39076	39078	39078	39075	39072	39071	39079	39079
8	39089	39097	39104	39093	39093	39095	39094	39083	39080	39077	39075	39074	39077	39077	39079	39081	39081	39082	39083	39083	39080	39075	39078	39083	39084
9	39086	39091	39099	39095	39094	39086	39083	39077	39077	39077	39076	39074	39077	39073	39076	39080	39080	39081	39083	39084	39077	39073	39074	39085	39082
10	39090	39094	39101	39097	39096	39092	39090	39081	39078	39072	39075	39076	39076	39077	39080	39084	39083	39082	39084	39086	39082	39081	39084	39093	39085
11	39097	39102	39105	39102	39104	39098	39095	39087	39082	39083	39077	39050	39034	39040	39046	39046	39046	39046	39055	39066	39067	39066	39066	39084	39074
12																									
13																									
14	39088	39104	39113	39116	39112	39100	39095	39090	39090	39087	39084	39083	39082	39082	39084	39085	39082	39084	39087	39087	39087	39080	39082	39090	39090
15	39099	39109	39113	39110	39106	39097	39093	39084	39079	39078	39082	39082	39086	39087	39093	39094	39095	39093	39091	39094	39085	39082	39083	39084	39092
16	39088	39095	39102	39105	39103	39094	39089	39078	39074	39071	39076	39078	39080	39083	39079	39079	39079	39088	39084	39083	39083	39082	39080	39086	39085
17	39090	39094	39099	39095	39097	39090	39085	39075	39071	39070	39074	39075	39077	39076	39076	39078	39082	39083	39084	39083	39080	39080	39083	39083	39083
18	39086	39092	39098	39098	39095	39091	39091	39086	39082	39082	39084	39084	39086	39087	39086	39089	39087	39088	39088	39090	39083	39080	39082	39092	39088
19	39100	39107	39110	39103	39099	39093	39087	39079	39079	39078	39083	39084	39086	39088	39088	39089	39089	39089	39090	39090	39088	39078	39083	39087	39089
20D	39090	39094	39103	39105	39105	39097	39095	39089	39085	39082	39082	39081	39084	39087	39094	39097	39101	39103	39103	39099	39090	39086	39083	39092	39092
21	39085	39095	39103	39102	39111	39101	39100	39089	39088	39087	39095	39086	39079	39077	39076	39072	39071	39074	39094	39089	39080	39072	39075	39083	39087
22D	39087	39090	39087	39091	39093	39085	39076	39062	39053	39055	39068	39064	39061	39060	39067	39070	39065	39073	39074	39077	39077	39073	39071	39073	39073
23	39075	39077	39080	39085	39082	39079	39074	39065	39060	39055	39054	39052	39062	39061	39042	39042	39055	39063	39062	39074	39070	39066	39070	39075	39066
24	39077	39083	39088	39087	39082	39071	39069	39067	39062	39058	39067	39067	39068	39062	39066	39066	39076	39080	39074	39073	39069	39067	39068	39069	39071
25Q	39073	39080	39088	39084	39084	39072	39070	39067	39066	39062	39063	39062	39070	39073	39074	39078	39078	39078	39080	39081	39079	39074	39076	39079	39075
26Q	39089	39098	39103	39103	39101	39093	39087	39077	39072	39069	39074	39076	39083	39084	39084	39086	39081	39084	39086	39088	39088	39083	39084	39086	39086
27	39090	39097	39106	39113	39114	39102	39090	39077	39075	39076	39080	39078	39083	39084	39082	39079	39084	39083	39085	39087	39079	39073	39073	39079	39086
28	39083	39093	39105	39106	39105	39096	39089	39080	39077	39075	39083	39083	39085	39082	39078	39077	39080	39085	39093	39086	39087	39091	39100	39088	39088
29D	39105	39117	39124	39122	39123	39117	39105	39085	39071	39070	39075	39075	39078	39078	39082	39085	39085	39086	39095	39091	39080	39073	39070	39077	39090
30D	39085	39091	39098	39102	39099	39095	39089	39082	39076	39075	39085	39091	39092	39090	39084	39086	39089	39091	39093	39093	39090	39088	39092	39096	39090
Mean	39087	39093	39099	39099	39098	39092	39088	39081	39077	39074	39077	39075	39076	39076	39077	39078	39079	39081	39083	39084	39080	39076	39078	39083	39083
Q	39082	39089	39096	39096	39097	39089	39085	39078	39075	39072	39072	39072	39076	39077	39078	39080	39079	39079	39081	39082	39080	39075	39077	39079	39081
D	39092	39098	39103	39105	39105	39099	39091	39079	39072	39070	39078	39078	39079	39078	39080	39084	39084	39088	39091	39091	39086	39081	39080	39082	39086

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date



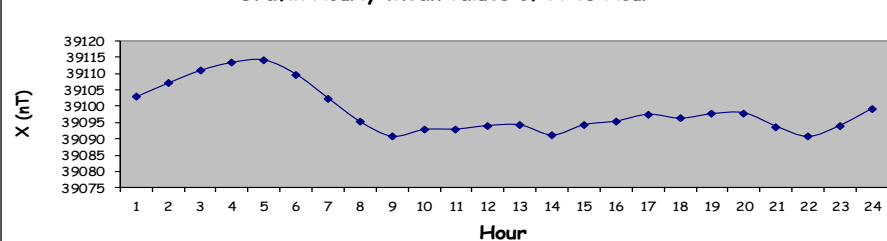
X COMPONENT
HOURLY MEANS VALUES OF X : (0 + Tabular Values in nT)

TANGERANG MAGNETIC OBSERVATORY

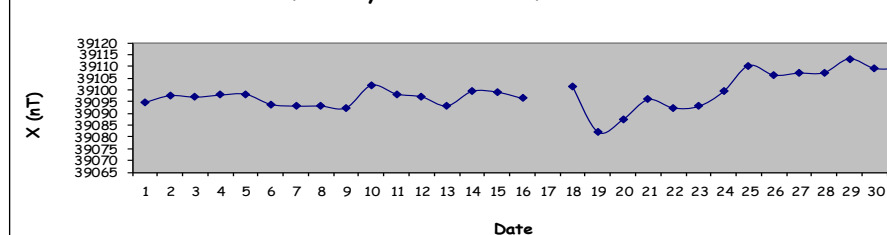
December-19

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	39100	39108	39118	39123	39118	39106	39093	39087	39085	39087	39086	39088	39088	39084	39084	39083	39087	39092	39094	39094	39090	39086	39093	39100	39095
2Q	39106	39118	39120	39114	39111	39105	39095	39088	39088	39091	39091	39094	39095	39093	39097	39096	39096	39095	39094	39093	39088	39087	39091	39097	39098
3Q	39103	39112	39116	39116	39116	39109	39101	39091	39086	39088	39089	39090	39090	39087	39091	39096	39095	39094	39093	39093	39090	39088	39092	39103	39097
4	39111	39115	39114	39107	39111	39108	39103	39101	39100	39095	39092	39091	39086	39084	39088	39090	39093	39095	39095	39097	39094	39091	39092	39093	39098
5	39096	39100	39101	39105	39103	39098	39094	39093	39094	39096	39092	39101	39102	39099	39103	39103	39104	39103	39099	39098	39096	39089	39092	39095	39098
6	39097	39100	39103	39098	39100	39096	39094	39091	39088	39092	39093	39094	39093	39089	39092	39095	39095	39094	39096	39093	39089	39086	39089	39097	39094
7	39097	39104	39107	39107	39106	39102	39095	39087	39080	39083	39088	39092	39093	39090	39097	39095	39097	39094	39095	39096	39085	39077	39082	39089	39093
8	39097	39104	39107	39107	39106	39102	39095	39087	39080	39083	39088	39092	39093	39090	39097	39095	39097	39094	39095	39096	39085	39077	39082	39089	39093
9	39091	39092	39095	39098	39099	39099	39092	39082	39079	39084	39088	39091	39092	39091	39092	39093	39096	39095	39095	39098	39094	39092	39094	39097	39092
10	39106	39119	39125	39130	39122	39108	39102	39091	39084	39087	39088	39091	39095	39095	39096	39098	39100	39101	39100	39104	39101	39098	39101	39103	39102
11D	39109	39116	39125	39122	39118	39115	39107	39096	39090	39094	39093	39093	39092	39090	39093	39095	39092	39085	39089	39092	39086	39085	39089	39094	39098
12	39096	39104	39111	39116	39116	39106	39089	39084	39086	39090	39091	39097	39098	39092	39093	39093	39093	39095	39097	39102	39099	39094	39093	39096	39097
13	39098	39104	39107	39106	39106	39102	39093	39083	39080	39083	39086	39088	39091	39090	39090	39088	39089	39090	39095	39095	39093	39091	39093	39099	39093
14	39098	39098	39101	39103	39108	39110	39101	39091	39093	39095	39097	39101	39102	39099	39100	39097	39100	39100	39102	39103	39101	39095	39094	39096	39099
15D	39101	39106	39115	39118	39112	39106	39105	39099	39092	39093	39094	39097	39099	39093	39098	39099	39098	39096	39098	39096	39089	39090	39090	39095	39099
16	39099	39104	39111	39114	39117	39114	39107	39098	39092	39092	39091	39089	39091	39087	39090	39089	39088	39092	39094	39094	39088	39088	39090	39096	39096
17																									
18D	39107	39118	39137	39135	39136	39134	39127	39119	39113	39112	39107	39092	39075	39075	39085	39087	39109	39082	39080	39080	39080	39077	39082	39088	39101
19D	39089	39091	39085	39087	39086	39095	39087	39071	39064	39072	39064	39068	39073	39073	39086	39079	39087	39092	39090	39087	39086	39083	39087	39091	39082
20	39089	39086	39083	39084	39089	39090	39088	39086	39082	39085	39087	39085	39082	39077	39079	39092	39093	39089	39090	39094	39090	39087	39094	39098	39087
21	39098	39098	39105	39114	39123	39121	39109	39097	39085	39082	39084	39082	39087	39087	39090	39091	39092	39095	39096	39097	39091	39088	39091	39099	39096
22	39096	39097	39094	39095	39092	39086	39085	39089	39089	39093	39093	39093	39089	39087	39090	39093	39098	39095	39098	39100	39093	39085	39090	39096	39092
23	39098	39099	39097	39096	39097	39095	39092	39087	39085	39097	39099	39091	39091	39085	39085	39088	39092	39093	39097	39097	39095	39089	39092	39097	39093
24	39099	39101	39100	39102	39105	39103	39100	39100	39093	39095	39097	39102	39098	39095	39097	39098	39098	39099	39101	39101	39100	39097	39098	39106	39099
25	39106	39107	39109	39118	39124	39121	39116	39113	39107	39105	39107	39106	39105	39101	39100	39106	39109	39111	39112	39107	39103	39107	39121	39128	39110
26	39126	39117	39121	39123	39130	39121	39110	39099	39094	39097	39098	39102	39106	39104	39105	39102	39099	39095	39097	39097	39096	39097	39103	39112	39106
27	39116	39121	39124	39133	39133	39123	39109	39100	39093	39099	39102	39104	39104	39099	39102	39100	39101	39102	39103	39103	39098	39097	39100	39105	39107
28Q	39107	39112	39123	39132	39135	39128	39114	39104	39095	39096	39099	39103	39106	39102	39103	39105	39104	39101	39102	39102	39097	39097	39102	39108	39107
29Q	39115	39126	39134	39135	39134	39129	39124	39116	39106	39104	39103	39104	39107	39105	39107	39107	39109	39110	39111	39111	39105	39101	39104	39109	39113
30	39115	39117	39119	39130	39135	39129	39120	39113	39108	39106	39101	39099	39101	39094	39100	39103	39105	39102	39109	39108	39104	39101	39100	39101	39109
31	39115	39117	39119	39130	39135	39129	39120	39113	39108	39106	39101	39099	39101	39094	39100	39103	39105	39102	39109	39108	39104	39101	39100	39101	39109
Mean	39103	39107	39111	39113	39114	39110	39102	39095	39091	39093	39093	39094	39094	39091	39094	39095	39097	39096	39098	39098	39094	39091	39094	39099	39099
Q	39098	39101	39105	39108	39110	39106	39096	39087	39084	39088	39090	39090	39092	39088	39089	39090	39091	39093	39096	39098	39095	39090	39092	39098	39095
D	39110	39110	39114	39117	39119	39115	39108	39102	39096	39098	39099	39101	39100	39097	39099	39100	39100	39098	39100	39099	39096	39096	39103	39110	39104

Grafik Hourly Mean values of X vs Hour



Grafik Daily Mean values of X vs Date

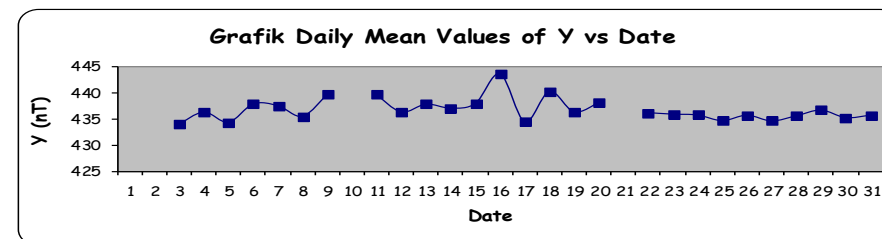
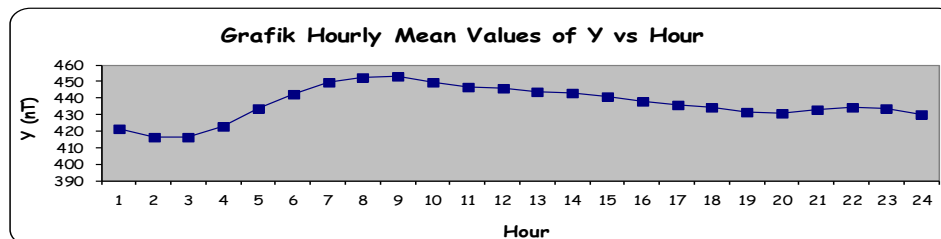


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

January-19

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																									
2																									
3	419	410	414	432	438	440	445	446	444	440	437	440	440	440	439	438	437	434	431	429	431	432	433	424	434
4D	420	426	436	443	443	438	436	444	456	459	454	448	448	449	444	436	432	429	423	424	427	426	421	408	436
5	407	412	417	431	443	441	431	433	434	437	442	444	445	441	440	438	437	435	435	433	437	439	438	433	434
6	424	420	424	435	447	456	453	448	446	442	442	443	443	442	438	436	436	435	434	431	436	435	434	427	438
7	417	413	416	426	441	453	457	457	456	447	444	445	440	439	439	437	436	435	433	432	433	434	436	432	437
8	419	407	405	412	429	448	458	458	455	448	441	439	441	441	442	436	437	435	432	431	434	434	435	433	435
9	424	420	422	427	438	447	451	457	460	452	447	447	445	445	443	440	439	438	436	433	435	437	437	432	440
10																									
11	421	415	415	425	430	438	451	462	461	453	449	450	446	445	443	441	440	439	436	436	439	439	438	437	440
12	420	426	436	443	443	438	436	444	456	459	454	448	448	449	444	436	432	429	423	424	427	426	421	408	436
13	426	419	415	417	428	440	453	457	455	451	451	448	446	444	443	443	442	440	435	434	436	434	429	422	438
14	414	402	396	410	421	439	459	465	465	461	452	449	447	446	442	440	438	436	435	435	435	437	436	430	437
15	423	418	420	419	426	439	454	458	457	455	448	445	444	443	441	439	439	437	435	433	435	432	434	434	438
16	427	422	420	433	443	459	473	471	460	452	446	449	451	450	446	442	439	435	434	436	439	438	437	444	444
17D	432	424	420	421	423	423	426	430	445	449	450	447	445	442	442	438	431	433	434	434	436	436	434	431	434
18	422	423	428	433	441	452	458	458	462	457	449	445	442	441	439	437	438	435	434	434	432	435	435	435	440
19	428	432	437	441	438	434	436	435	437	439	441	443	442	442	440	436	435	433	431	433	435	436	434	431	436
20	419	408	409	430	453	462	467	462	451	443	443	444	441	440	438	437	434	435	434	432	435	437	434	425	438
21																									
22	414	402	397	406	435	454	462	461	455	449	442	446	446	445	442	440	437	434	434	432	434	437	436	427	436
23	411	406	405	412	429	446	462	462	456	454	448	445	445	445	442	438	435	432	432	430	431	431	433	431	436
24D	419	411	406	410	432	450	460	466	454	446	444	448	446	444	441	436	434	431	420	418	429	434	440	436	436
25	419	408	409	415	427	439	447	451	456	447	444	446	444	444	441	436	431	430	431	430	430	433	435	436	435
26	429	416	405	407	422	436	449	457	457	455	451	447	444	443	439	436	435	434	430	430	433	436	433	431	436
27Q	427	427	423	423	422	429	434	439	446	449	444	442	438	440	437	434	433	434	431	429	432	436	438	441	435
28Q	432	423	413	411	418	427	442	451	456	453	447	446	443	442	441	440	436	435	431	429	433	436	437	433	436
29Q	424	419	418	422	430	437	443	448	450	449	447	447	444	442	441	439	438	437	434	432	432	436	435	434	437
30Q	423	419	420	425	434	442	447	448	444	443	442	443	441	441	439	436	434	434	431	430	432	433	432	431	435
31D	426	418	412	414	424	440	450	457	459	455	451	449	446	437	437	433	432	433	426	429	431	436	430	430	436
Mean	422	416	416	423	433	442	450	453	453	450	446	446	444	443	441	438	436	434	432	431	433	435	434	430	437
Q	427	422	419	420	426	434	441	447	449	448	445	444	441	441	439	437	435	435	432	430	432	435	435	435	435
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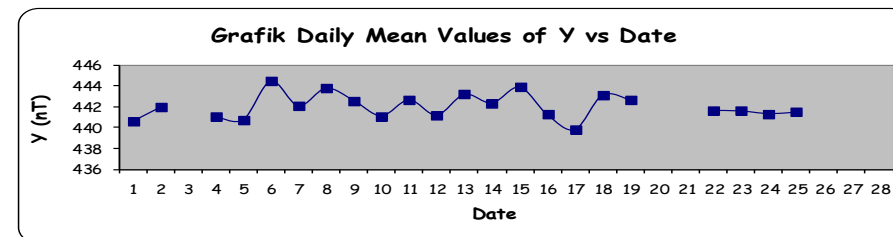
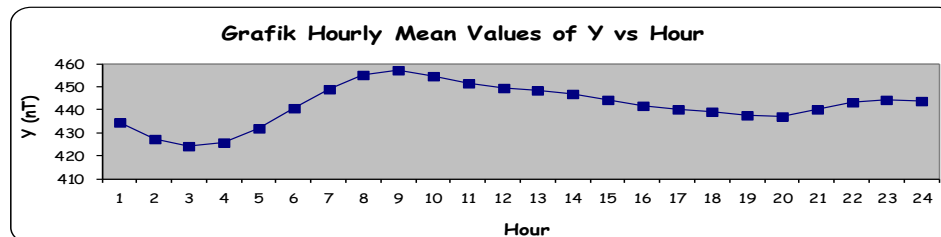


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

February-19

DATE	HOUR																							MEAN	
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1D	419	412	412	417	429	443	450	463	463	453	449	451	451	450	445	436	440	440	439	437	442	445	447	440	441
2D	438	438	427	427	433	442	448	457	457	452	452	450	450	448	445	438	438	438	431	431	437	445	443	440	442
3																									
4	432	426	425	427	431	440	449	455	457	453	451	451	448	444	442	439	437	436	435	438	444	443	444	439	441
5	425	414	418	425	434	442	450	459	464	456	450	449	448	446	445	441	440	437	437	434	439	443	443	439	441
6D	423	407	402	417	438	453	467	472	472	467	458	453	450	448	443	441	438	441	439	440	445	450	451	453	444
7	438	429	424	422	425	440	450	454	456	452	449	448	447	446	445	442	441	440	439	439	442	445	447	449	442
8	439	429	423	421	429	443	451	455	455	458	454	450	449	447	445	444	442	439	439	441	441	449	451	456	444
9	442	432	427	428	434	440	450	457	457	455	455	450	449	448	442	443	440	437	434	435	440	441	442	442	443
10	433	420	413	416	422	431	441	454	461	458	452	449	449	447	445	443	441	442	440	439	442	445	449	458	441
11D	451	443	433	426	429	436	444	446	448	450	452	451	451	451	445	441	440	440	438	436	439	444	446	443	443
12	433	424	419	420	426	437	444	451	453	452	450	450	450	449	446	443	443	442	439	439	441	444	447	446	441
13	439	432	429	433	437	443	450	457	459	460	457	450	448	446	443	443	439	435	437	436	440	441	442	441	443
14	433	429	433	427	430	441	451	452	458	459	452	450	449	447	445	442	440	439	438	438	442	443	442	440	442
15	435	433	433	436	438	443	452	454	453	451	450	450	449	447	446	443	443	442	441	441	442	445	446	442	444
16Q	433	431	433	435	440	449	455	453	449	446	446	446	444	445	443	441	440	438	435	435	438	442	440	434	441
17	423	422	424	424	431	437	444	452	455	455	450	446	445	446	444	442	441	441	438	436	438	441	440	440	440
18	435	430	425	425	435	447	453	463	467	462	455	449	447	445	442	439	438	438	437	437	439	442	443	442	443
19Q	433	427	422	425	434	440	449	458	459	456	451	447	448	448	446	443	441	440	439	439	442	445	445	448	443
20																									
21																									
22	430	421	420	427	436	445	455	460	460	452	447	446	446	446	444	443	440	440	437	437	440	442	441	443	442
23Q	436	428	427	430	432	435	438	447	452	451	452	451	451	450	446	444	441	440	438	436	439	443	445	447	442
24Q	445	440	431	425	428	434	438	446	453	453	451	448	446	446	444	442	440	440	438	437	440	442	442	442	441
25	440	440	437	434	432	436	443	446	452	455	453	450	447	447	444	442	441	439	437	436	434	437	436	436	441
26																									
27																									
28																									
Mean	434	427	424	426	432	441	449	455	457	455	451	450	448	447	444	442	440	439	438	437	440	443	444	444	442
Q	437	431	428	429	433	439	445	451	453	452	450	448	447	447	445	443	440	440	438	437	440	443	443	443	442
D	433	425	419	422	432	444	452	460	460	455	452	451	450	449	445	439	439	440	437	436	441	446	447	445	442

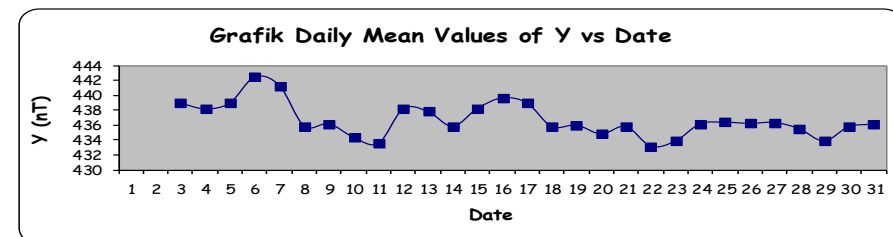
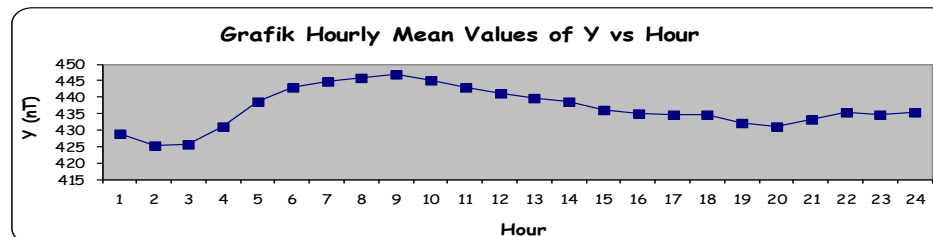


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

March-19

DATE	HOUR																							MEAN	
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1																									
2																									
3	435	431	425	427	436	446	446	446	449	449	447	444	443	441	439	438	438	437	433	432	434	438	440	443	439
4	436	427	423	425	437	447	449	447	446	441	443	446	442	442	440	437	433	433	432	431	434	438	441	444	438
5	437	440	442	440	440	440	444	444	443	442	441	441	441	441	439	438	437	436	432	431	434	437	437	439	439
6	438	445	454	457	457	455	454	447	442	440	440	442	444	442	440	440	438	438	436	434	436	437	434	431	442
7D	430	437	444	450	454	457	458	455	449	446	442	440	440	442	436	434	435	436	433	432	436	438	436	433	441
8	430	428	431	435	434	437	442	441	441	438	435	437	439	440	439	437	435	436	433	432	435	438	436	430	436
9D	427	422	424	428	433	442	448	448	448	444	442	440	440	439	437	436	436	436	434	433	433	434	433	433	436
10	429	427	421	421	427	434	440	444	444	443	442	442	439	438	436	436	435	434	431	431	432	433	431	432	434
11	420	409	410	418	433	441	445	447	447	441	438	441	440	439	435	434	433	435	435	432	432	433	431	434	434
12	436	427	423	425	437	447	449	447	446	441	443	446	442	442	440	437	433	433	432	431	434	438	441	444	438
13	434	436	438	441	446	447	445	445	444	443	440	439	438	437	435	435	435	435	432	431	432	433	434	433	438
14D	425	418	423	430	436	444	448	447	444	442	445	442	443	439	431	434	433	435	431	429	432	434	436	440	436
15	438	430	428	434	440	440	440	443	448	450	447	442	440	439	439	438	437	435	433	430	433	436	436	441	438
16D	436	434	434	438	441	443	447	450	454	455	449	444	440	438	431	436	433	437	432	431	432	440	434	443	440
17	440	438	438	438	437	435	439	448	455	456	457	452	445	442	438	434	434	433	428	427	431	431	429	429	439
18Q	425	426	431	435	440	440	440	443	447	447	445	442	440	438	436	434	434	433	432	431	430	433	431	426	436
19	413	413	422	433	438	442	441	446	449	450	448	444	443	441	437	437	437	437	434	430	432	431	431	436	436
20	427	421	422	430	440	444	447	444	441	441	440	439	437	437	436	435	436	434	432	431	431	432	429	427	435
21Q	419	419	426	437	450	451	446	444	444	444	443	441	441	439	437	435	435	433	431	430	430	432	429	425	436
22Q	411	403	407	418	436	442	442	446	451	450	445	442	440	438	436	435	435	434	432	430	432	433	431	428	433
23Q	416	412	416	424	433	439	441	441	444	445	444	441	440	439	436	434	433	434	432	430	433	435	434	435	434
24	427	425	426	429	437	440	443	450	452	449	443	438	438	437	435	434	434	435	432	430	432	433	433	437	436
25	431	428	425	427	429	436	442	448	450	448	444	440	440	439	436	436	437	435	433	432	432	435	434	437	436
26	428	423	422	428	437	438	442	446	447	447	443	440	438	437	436	435	434	435	432	431	434	437	439	442	436
27	436	433	432	431	431	430	434	443	451	449	445	441	440	437	435	432	433	434	432	433	434	438	437	435	436
28	430	425	424	426	434	441	445	447	449	444	443	438	436	434	430	430	430	431	431	432	433	438	441	441	436
29	431	418	404	415	438	446	444	444	443	443	437	436	437	437	435	433	434	433	431	432	436	438	435	433	434
30	424	418	417	432	450	456	448	447	448	444	439	436	433	433	433	432	432	433	431	431	433	435	434	438	436
31	428	418	417	428	443	452	449	446	443	443	440	438	437	437	435	434	433	434	433	434	435	436	437	439	436
Mean	429	425	426	431	439	443	445	446	447	445	443	441	440	439	436	435	435	435	432	431	433	435	435	436	437
Q	418	415	420	429	440	443	442	443	446	446	444	441	440	439	436	435	434	433	432	430	431	433	431	429	435
D	429	428	431	436	441	446	450	450	449	447	444	441	441	440	434	435	434	436	432	431	433	437	435	437	438

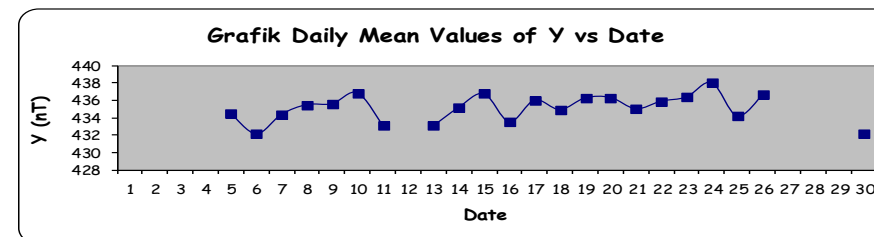
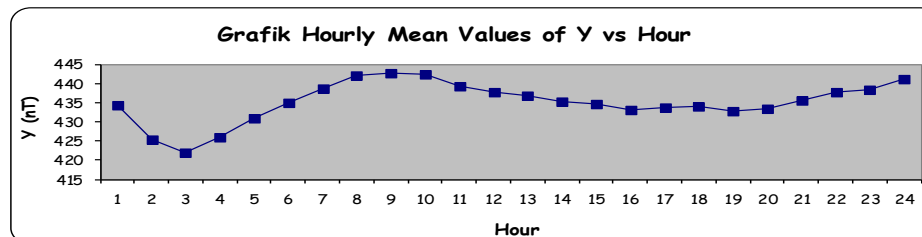


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

April-19

DATE	HOUR																							MEAN	
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1																									
2																									
3																									
4																									
5D	426	420	421	429	439	444	448	446	438	435	436	435	434	427	432	432	432	433	435	439	435	438	438	438	434
6	428	419	418	427	434	436	433	432	432	430	434	436	435	435	434	434	434	434	434	432	436	436	435	434	432
7	429	425	425	427	432	440	446	447	440	435	433	435	435	433	433	432	432	432	432	431	435	436	439	441	434
8D	435	426	421	429	443	447	445	440	436	437	439	437	439	436	433	434	434	430	429	432	433	437	441	442	435
9	432	425	425	433	439	441	445	450	447	443	437	436	436	435	433	430	429	430	432	433	434	438	438	433	436
10D	425	420	426	446	452	453	449	444	444	444	440	438	437	434	432	432	432	432	431	431	433	437	438	435	437
11	426	417	411	422	434	435	438	442	443	441	441	435	434	434	433	431	430	433	433	433	436	437	437	439	433
12																									
13	441	425	417	422	430	433	431	435	439	441	437	437	435	433	433	431	432	433	432	432	434	437	437	435	433
14	428	420	423	431	435	435	433	435	442	445	444	438	436	436	435	434	434	435	433	432	435	436	439	447	435
15	445	440	435	437	440	443	440	437	438	436	435	435	433	432	432	432	434	435	432	434	435	436	440	443	437
16	432	421	416	419	419	426	430	433	440	445	442	442	438	437	436	436	435	435	434	434	437	438	439	441	434
17	436	429	428	427	427	429	438	444	445	444	439	438	438	437	435	434	435	437	436	436	437	437	438	443	436
18Q	434	421	415	420	427	431	436	438	437	440	441	439	439	438	436	435	436	437	435	435	437	442	443	446	435
19	438	429	423	421	430	437	445	451	452	447	439	438	439	438	435	432	434	433	430	431	435	438	437	440	436
20Q	433	424	423	432	438	445	448	446	443	442	437	436	435	434	433	433	435	436	433	432	436	437	439	441	436
21Q	433	422	416	419	425	429	439	448	450	450	442	438	435	435	434	434	434	436	434	433	436	438	437	440	435
22Q	436	428	425	426	429	435	441	447	446	444	438	436	436	437	436	435	436	435	435	434	435	437	436	439	436
23D	431	423	421	422	426	434	441	452	457	454	444	439	438	438	438	434	432	431	429	430	437	437	435	452	436
24	450	438	431	428	428	430	436	444	448	448	445	443	442	439	436	432	433	434	434	434	437	438	439	446	438
25	446	440	426	418	413	414	419	434	442	447	441	439	436	435	435	434	436	435	434	434	437	440	442	443	434
26	436	424	416	420	425	431	443	447	444	443	439	443	440	439	439	436	436	435	435	436	439	443	443	445	437
27																									
28																									
29																									
30	435	425	418	415	417	422	426	431	437	439	438	437	437	435	436	434	435	435	435	435	437	438	436	438	432
Mean	434	425	422	426	431	435	439	442	443	442	439	438	437	435	435	433	434	434	433	433	436	438	438	441	435
Q	434	423	420	424	430	435	441	445	444	444	440	437	436	436	435	434	435	436	434	434	436	439	439	442	436
D	429	422	422	431	440	444	446	445	444	442	440	437	437	434	434	433	433	431	431	433	434	437	438	442	436

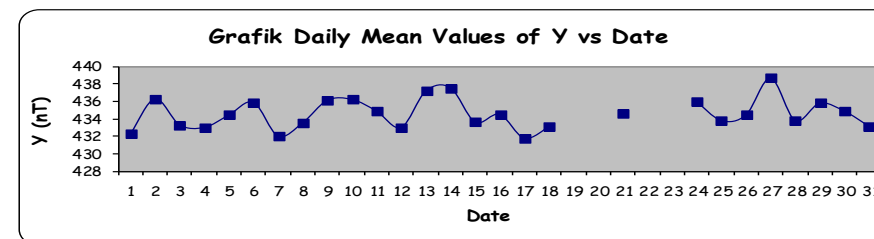
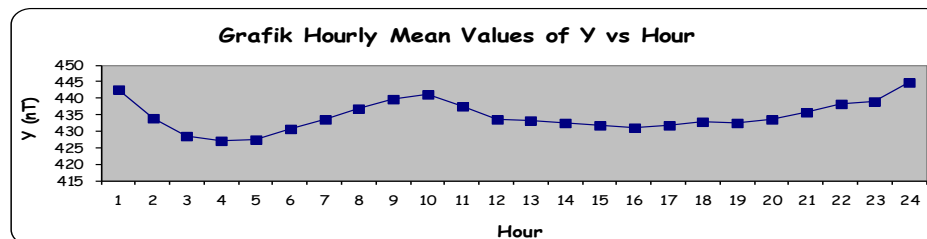


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

May-19

DATE	HOUR																							MEAN	
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1D	432	422	417	417	422	426	428	433	441	441	438	434	432	433	432	430	432	432	432	434	435	440	442	447	432
2D	441	429	431	436	438	439	443	446	445	445	439	435	434	435	433	431	432	434	435	432	432	434	434	438	436
3	429	418	413	420	427	426	429	440	441	441	441	435	430	433	432	432	434	436	436	437	439	442	442	446	433
4	438	426	418	421	424	429	437	439	439	444	435	433	433	432	430	431	432	434	431	432	434	436	438	446	433
5Q	443	431	425	424	424	426	430	436	441	442	438	434	433	434	433	432	433	435	433	434	437	438	442	450	434
6	446	433	423	425	429	431	434	436	447	448	439	437	434	433	431	432	434	436	434	435	437	441	442	443	436
7	436	427	417	417	421	422	424	428	436	442	440	436	434	433	433	432	432	432	431	433	435	440	440	447	432
8	442	432	423	423	424	424	429	434	438	440	438	435	433	433	433	433	435	434	433	433	435	438	440	443	434
9	440	429	421	421	423	434	442	448	446	443	440	436	435	435	435	432	434	436	435	435	437	440	441	449	436
10	444	436	426	423	423	428	435	440	440	438	434	433	432	433	433	431	434	434	435	437	442	450	449	458	436
11D	459	451	445	440	429	424	423	435	448	451	448	436	441	431	431	427	423	423	423	422	427	426	431	442	435
12Q	438	426	418	421	424	429	437	439	439	444	435	433	433	432	430	431	432	434	431	432	434	436	438	446	433
13	444	443	446	446	441	440	439	442	443	441	438	434	431	431	432	429	429	429	431	430	435	437	439	442	437
14	436	430	429	429	433	457	457	450	451	445	443	436	433	428	426	427	426	429	434	443	442	441	439	440	438
15	431	424	423	425	427	432	435	436	436	438	433	433	434	434	434	433	434	434	434	435	437	440	442	445	434
16	438	427	424	420	424	434	441	450	449	448	440	436	435	436	433	431	432	431	428	431	428	436	436	439	435
17	442	432	427	420	418	417	419	429	434	437	436	434	435	435	434	431	432	433	430	431	433	438	437	445	432
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19																									
20																									
21Q	450	443	438	433	427	424	423	427	434	438	438	435	435	434	433	431	431	430	431	432	435	439	440	448	435
22																									
23																									
24	453	446	438	428	423	426	439	443	444	443	436	433	432	432	432	432	433	433	433	433	434	437	438	443	436
25Q	444	438	433	431	429	431	430	432	435	437	432	430	431	432	431	432	432	433	432	433	435	438	438	442	434
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27	438	439	445	443	443	440	438	442	442	439	435	431	430	431	430	433	437	439	438	438	444	444	442	448	439
28	448	437	430	425	421	425	428	431	432	434	433	431	430	430	431	431	433	434	435	437	440	442	443	450	434
29D	453	449	441	441	439	436	433	427	430	433	437	430	431	431	430	429	428	430	431	435	438	440	440	449	436
30	452	447	436	431	431	432	431	433	431	430	430	432	432	430	430	431	432	434	434	435	437	438	438	447	435
31	447	438	430	427	426	428	430	431	435	435	433	434	432	432	431	430	432	433	433	433	435	436	435	438	433
Mean	443	434	429	427	428	431	433	437	440	441	437	434	433	433	432	431	432	433	432	433	436	438	439	445	435
Q	444	434	428	427	426	428	430	434	437	440	436	433	433	433	432	432	432	433	432	433	435	438	439	446	434
D	446	438	433	433	432	431	432	435	441	443	440	434	434	433	432	429	429	430	430	431	433	435	437	444	435

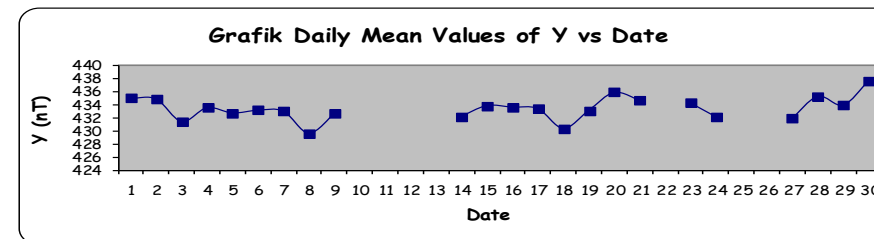
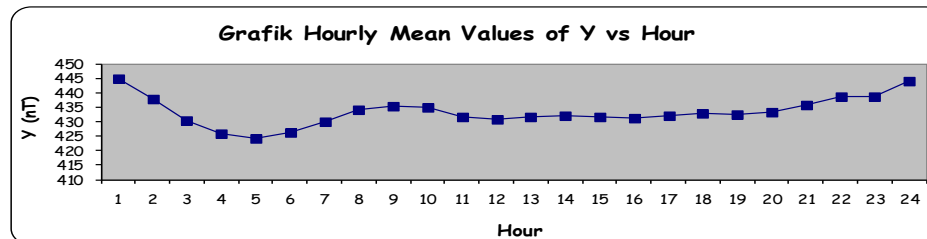


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

June-19

DATE	HOUR																							MEAN	
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6Q	441	436	428	423	424	427	435	439	439	435	430	431	431	432	432	431	433	434	432	432	435	437	436	442	433
7	441	432	424	425	425	427	429	429	433	435	432	430	430	433	436	435	434	435	435	434	437	439	438	443	433
8D	445	438	431	428	421	415	413	419	424	426	422	424	425	428	430	432	430	432	429	435	443	440	444	430	430
9D	439	431	434	433	428	429	431	437	435	432	429	431	431	431	432	431	432	433	431	431	433	434	435	439	433
10																									
11																									
12																									
13																									
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16Q	446	437	430	428	425	429	436	434	429	429	430	432	434	435	434	433	433	432	432	431	434	438	438	448	434
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22																									
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25																									
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29Q	445	435	420	409	415	425	438	446	445	443	435	432	432	433	431	430	432	433	435	436	439	440	439	445	434
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Mean	445	438	430	426	424	426	430	434	435	435	432	431	432	432	432	431	432	433	433	433	436	438	439	444	433
Q	446	438	428	421	422	426	434	439	438	437	432	432	432	433	432	432	432	433	433	433	436	439	438	445	434
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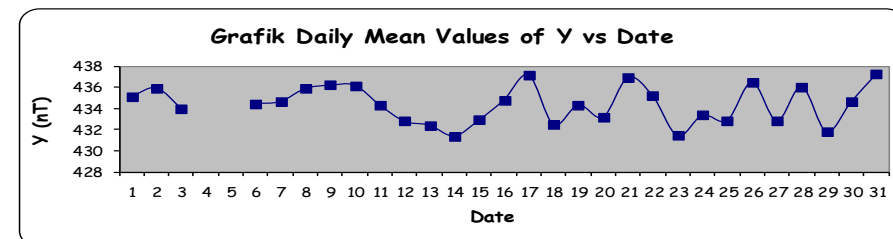
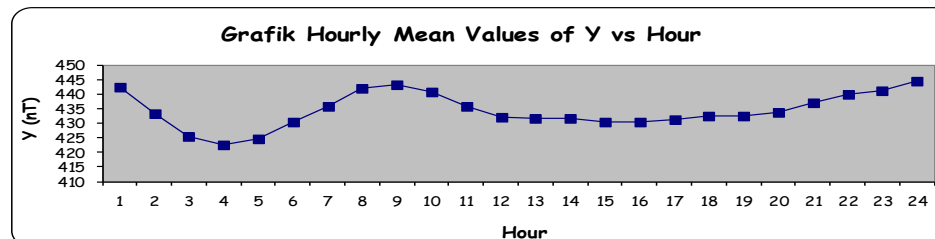


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

July-19

DATE	HOUR																							MEAN	
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3	439	429	421	420	424	430	433	444	448	448	437	432	430	431	430	430	431	430	431	432	435	440	442	450	434
4																									
5																									
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7	436	433	432	432	429	429	432	441	443	439	434	433	433	432	431	432	431	433	433	434	437	440	441	444	435
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9D	441	438	435	439	437	438	443	448	446	443	436	430	431	432	427	425	429	430	430	429	440	435	439	448	436
10D	446	434	427	424	432	443	456	455	449	450	443	433	430	430	426	424	425	426	430	431	435	437	438	445	436
11D	454	446	438	433	428	431	433	443	440	430	430	430	432	431	428	428	429	431	431	431	434	435	437	441	434
12	442	433	423	415	415	419	430	441	448	449	442	436	434	434	430	430	431	431	431	431	433	437	437	437	433
13	436	431	426	422	418	421	426	433	441	442	436	432	430	431	431	429	432	434	432	436	438	439	439	442	432
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17	446	439	435	437	440	444	442	447	447	441	435	433	433	432	431	431	432	433	433	432	434	437	438	443	437
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19Q	440	424	413	411	422	431	439	446	447	446	441	436	434	434	433	433	433	433	431	432	437	441	443	445	434
20Q	442	434	424	416	416	422	427	431	438	441	438	434	433	432	432	433	434	433	433	433	436	440	443	450	433
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26Q	444	439	431	426	424	427	436	442	445	444	439	434	434	433	434	433	435	436	437	436	437	440	442	447	436
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29	441	431	418	413	417	422	431	437	437	436	433	432	431	432	432	433	433	433	432	433	436	439	440	443	432
30D	441	429	418	416	419	426	433	440	444	444	439	437	434	436	431	432	431	434	436	436	440	443	443	449	435
31	457	452	443	435	432	433	434	436	441	438	433	431	432	431	431	431	432	433	435	437	439	443	442	440	437
Mean	442	433	425	423	425	430	436	442	443	441	436	432	432	432	431	430	431	432	433	434	437	440	441	444	434
Q	441	433	425	420	423	429	435	440	443	442	437	433	433	433	433	433	434	434	433	434	437	440	442	445	435
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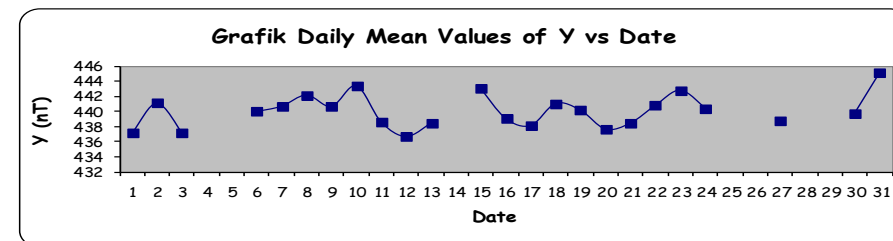
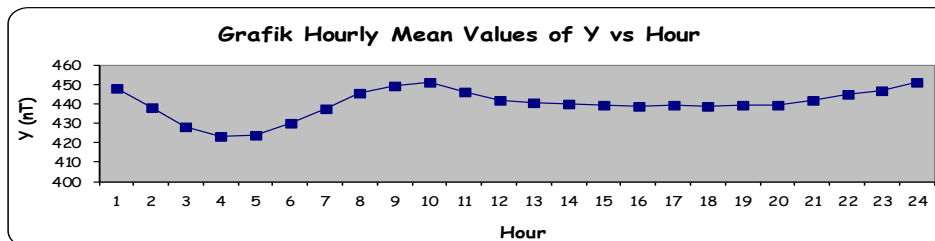


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

August-19

DATE	HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT																							MEAN	
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2Q	443	429	420	424	435	449	457	457	452	446	440	438	439	440	439	439	440	440	439	440	444	446	446	445	441
3Q	442	432	420	412	417	422	430	442	449	453	447	440	439	439	438	439	440	439	437	437	441	443	445	448	437
4																									
5																									
6D	452	444	431	420	415	423	430	444	455	456	452	445	440	439	437	436	438	437	438	440	443	445	446	452	440
7	450	439	426	423	426	439	446	450	450	448	445	442	440	439	438	437	438	438	437	438	440	448	448	452	441
8	449	441	434	436	441	447	453	458	455	452	443	437	437	440	436	438	437	436	437	438	438	444	444	441	442
9	434	425	422	427	436	444	446	445	447	447	445	443	442	442	438	435	438	437	440	440	445	449	449	458	441
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11	441	429	419	416	423	434	438	446	449	450	445	442	441	439	438	439	439	440	439	437	442	445	445	450	439
12	444	429	417	411	411	418	430	441	448	449	445	440	442	441	439	438	438	438	439	439	440	445	446	451	437
13	444	430	420	416	418	427	432	439	445	449	451	448	441	441	440	438	438	435	438	440	443	445	447	457	438
14																									
15Q	458	445	432	421	425	437	445	449	454	453	449	443	442	441	441	440	440	440	440	441	444	448	449	456	443
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19Q	443	437	432	432	433	432	434	439	444	446	444	440	439	440	441	441	441	441	440	440	443	444	446	453	440
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25																									
26																									
27D	453	436	418	417	416	422	435	441	451	448	443	439	441	440	439	439	441	441	440	441	443	448	450	452	439
28																									
29																									
30D	448	437	421	414	412	421	445	483	456	455	447	441	439	438	437	437	434	434	434	438	441	445	445	453	440
31D	446	440	435	435	430	441	453	455	456	461	449	452	445	441	436	437	434	437	445	442	446	450	457	461	445
Mean	448	438	428	423	424	430	437	446	449	451	446	442	441	440	439	439	439	439	439	439	442	445	446	451	440
Q	446	436	426	422	427	435	441	447	450	449	445	440	440	440	440	440	440	440	439	440	443	445	446	451	440
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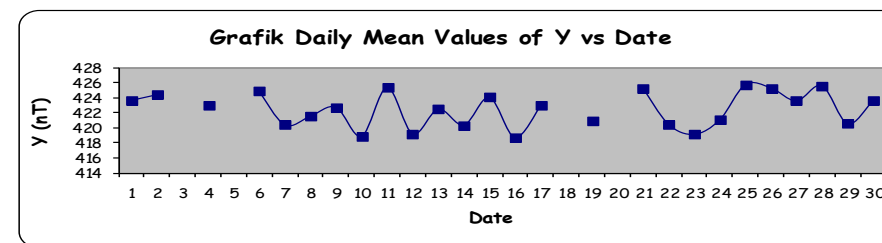
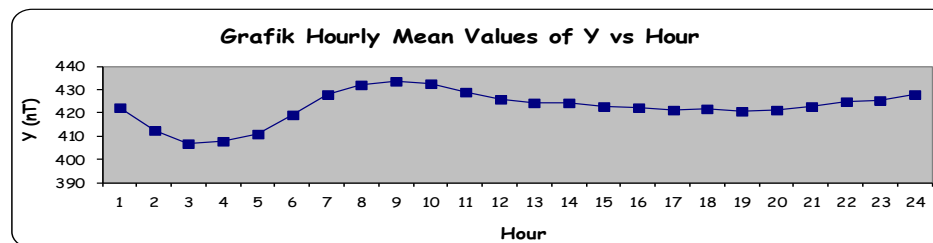


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

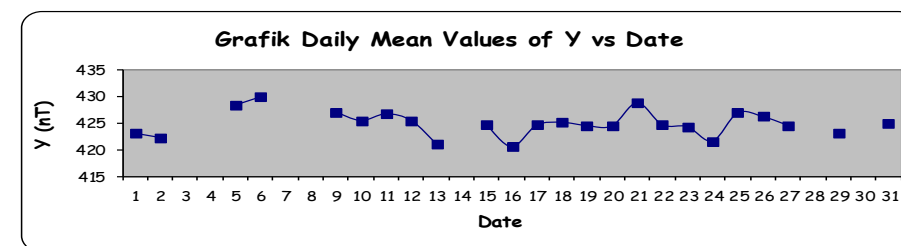
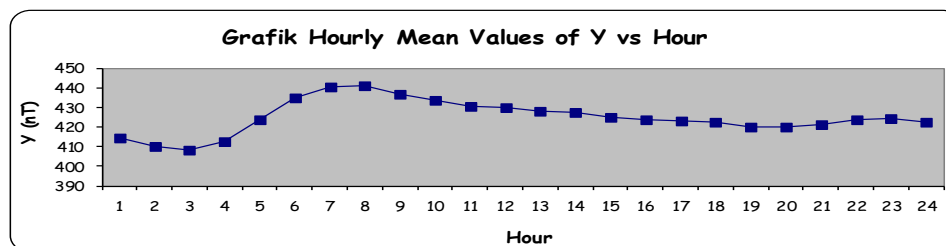
TANGERANG MAGNETIC OBSERVATORY

September-19

DATE	HOUR																							MEAN	
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2D	445	426	418	412	414	419	443	427	432	430	426	424	424	422	422	423	423	419	418	414	420	427	427	430	424
3																									
4	431	417	412	410	404	409	435	424	434	438	428	425	424	422	420	419	420	420	419	421	423	426	431	438	423
5																									
6	427	411	402	434	425	439	428	413	434	436	434	427	426	425	426	425	423	420	418	419	422	426	427	430	425
7	420	404	393	390	395	412	429	436	435	436	433	430	426	423	419	420	420	421	420	419	425	425	428	430	420
8	416	403	395	396	401	416	427	439	442	439	432	425	425	423	422	420	420	422	422	421	425	428	428	433	422
9	428	416	406	399	403	412	426	434	433	432	434	427	422	421	423	418	413	419	421	422	426	432	435	442	423
10Q	434	421	407	397	392	396	403	415	423	427	427	426	424	424	423	422	422	423	422	421	423	426	427	428	419
11	421	410	406	408	416	431	445	450	446	440	429	427	426	426	423	422	422	422	422	421	422	424	422	425	425
12	420	406	397	390	392	403	416	425	432	435	430	424	422	422	421	422	420	422	424	425	425	427	429	431	419
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18																									
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20																									
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26Q	421	423	419	416	419	426	431	440	442	437	429	425	425	424	425	424	424	423	422	422	423	425	423	419	425
27D	408	399	401	410	419	427	431	437	440	442	437	433	432	429	423	422	416	418	418	426	419	419	426	434	424
28D	417	410	413	420	430	432	444	450	440	433	431	425	420	419	425	423	422	424	421	422	426	426	422	418	426
29	412	405	403	408	419	427	426	432	430	429	425	425	424	425	424	424	421	420	416	420	421	421	419	414	421
30	407	400	401	412	431	440	444	449	434	427	429	430	430	430	425	424	420	423	423	421	420	420	415	409	424
Mean	422	412	407	408	411	419	428	432	434	432	429	426	424	424	423	422	421	422	421	421	423	425	425	428	422
Q	423	416	408	407	408	413	419	429	432	432	427	425	423	424	423	423	423	423	421	421	423	424	424	423	421
D	427	415	411	413	419	425	437	438	436	433	430	425	424	424	422	420	420	420	420	421	422	424	426	430	424



TANGERANG MAGNETIC OBSERVATORY																									October-19
DATE	HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT																								MEAN
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3																									
4																									
5	424	423	422	420	429	440	445	444	440	435	429	429	428	427	427	427	424	424	423	422	423	425	424	428	428
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7																									
8																									
9	416	416	419	424	432	439	441	437	433	431	427	425	422	426	427	426	425	425	423	423	426	427	428	429	427
10	418	409	406	411	424	438	444	449	438	436	432	430	427	427	424	421	420	422	420	420	422	423	424	423	425
11D	418	418	420	426	439	446	445	440	434	429	429	428	426	426	424	420	423	421	418	419	422	427	424	417	427
12Q	408	404	408	412	424	439	445	445	441	436	430	429	427	426	425	424	423	421	419	419	424	427	429	425	425
13Q	412	399	391	393	410	425	435	437	433	429	427	427	427	427	426	424	423	422	420	420	422	424	426	426	421
14																									
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17	412	406	403	408	423	438	443	445	440	431	428	429	427	425	426	425	424	425	422	421	421	425	423	423	425
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30																									
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Q	416	408	406	408	420	433	441	442	438	434	431	429	428	427	425	425	424	422	420	420	422	425	428	426	425
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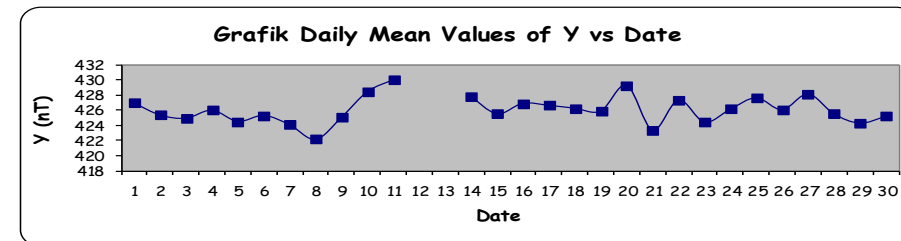
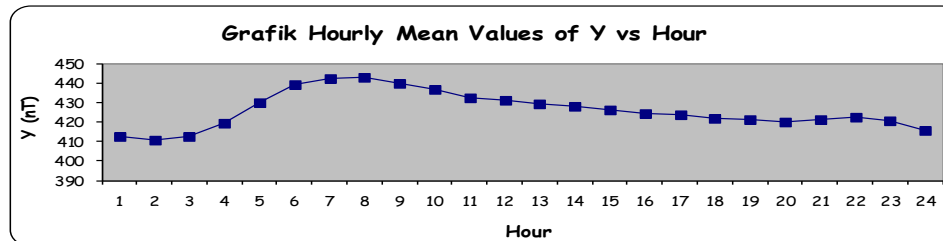


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

November-19

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
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3Q	418	413	408	408	417	431	439	440	435	431	429	429	428	429	429	427	426	425	422	420	421	424	425	425	425
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12																									
13																									
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Q	416	414	415	421	429	440	442	441	436	434	433	431	428	428	427	426	425	424	422	420	421	423	421	418	426
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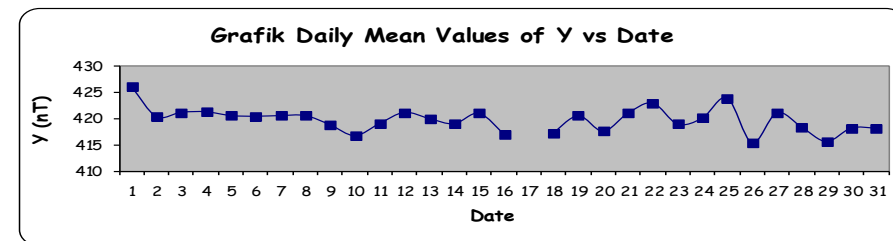
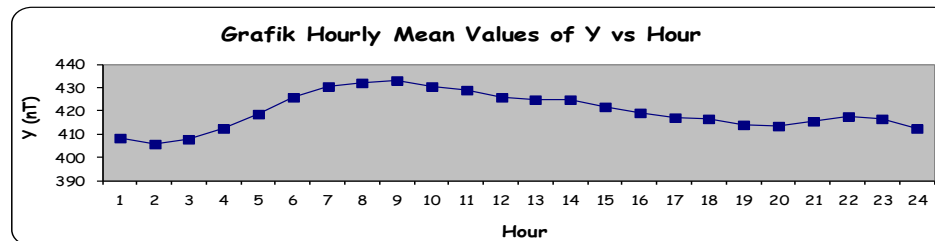


Y COMPONENT
HOURLY MEAN VALUES OF Y : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

December-19

DATE	HOUR																							MEAN	
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3Q	415	412	411	410	413	419	427	435	438	435	431	427	426	426	423	420	419	417	416	416	417	419	420	414	421
4	406	400	401	414	419	428	434	438	443	441	435	429	428	426	422	420	418	416	414	413	415	418	418	415	421
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6	395	393	397	406	419	429	428	433	439	439	434	426	425	426	422	423	422	420	419	419	420	421	420	412	420
7	407	409	412	419	425	426	425	426	431	430	427	423	424	424	421	419	418	418	417	418	419	419	419	417	420
8	407	409	412	419	425	426	425	426	431	430	427	423	424	424	421	419	418	418	417	418	419	419	419	417	420
9	406	401	404	410	414	421	426	429	434	434	430	424	424	425	422	419	418	418	417	415	416	416	414	412	419
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17																									
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25	417	418	429	441	443	447	445	439	433	429	430	428	425	424	421	417	413	413	412	412	415	414	409	399	424
26	390	385	390	403	407	419	429	434	430	427	428	428	427	426	422	419	416	413	412	412	413	417	413	409	415
27	408	411	415	422	430	434	436	433	428	423	425	426	425	427	421	421	419	419	415	414	415	415	413	409	421
28Q	403	404	406	412	415	420	426	432	429	427	427	423	422	424	421	418	417	416	413	413	418	419	419	416	418
29Q	412	411	406	407	410	419	427	426	428	422	420	420	420	422	419	417	416	414	410	409	412	413	411	405	416
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Mean	408	406	408	413	418	426	431	432	433	431	429	426	425	425	421	419	417	416	414	413	416	417	416	412	420
Q	408	406	410	417	422	428	432	432	432	428	428	427	425	425	421	418	417	416	413	413	415	418	418	417	420
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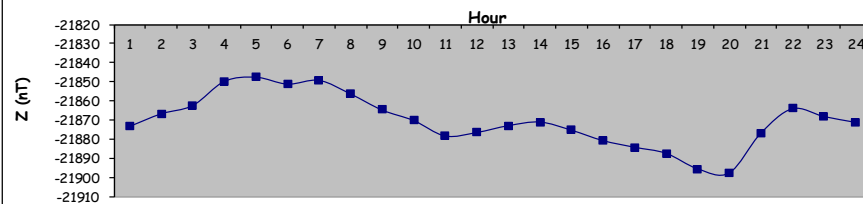
VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

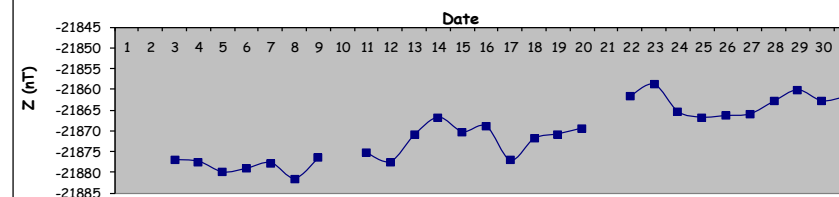
January-19

DATE	HOUR																							MEAN	
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1																									
2																									
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10																									
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D	-21871	-21864	-21861	-21849	-21846	-21851	-21848	-21854	-21860	-21867	-21876	-21876	-21873	-21876	-21881	-21886	-21888	-21892	-21898	-21898	-21873	-21864	-21866	-21873	-21870

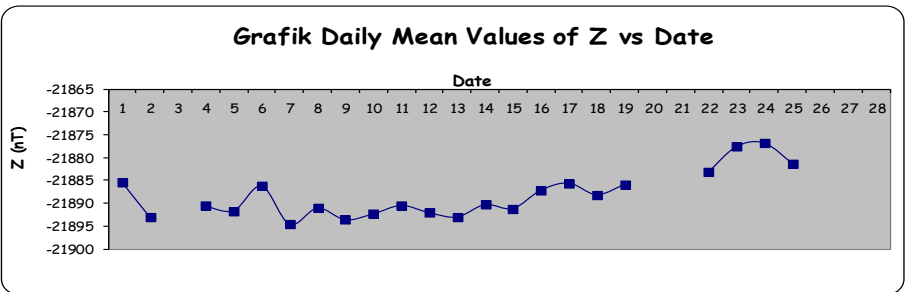
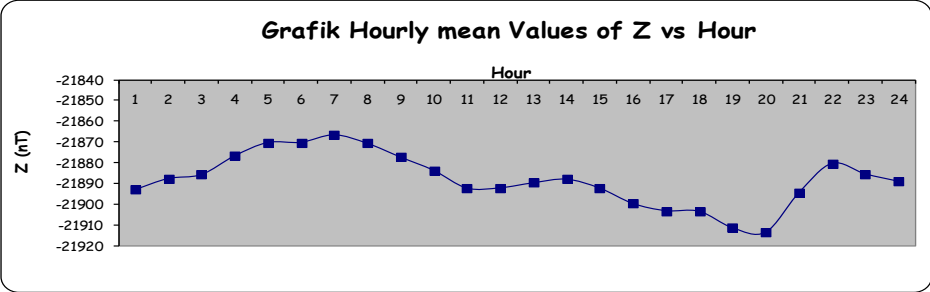
Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



TANGERANG MAGNETIC OBSERVATORY																									February-19
DATE	HOURLY MEAN VALUES OF Z : (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	
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3																									
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6D	-21895	-21881	-21871	-21868	-21859	-21860	-21857	-21863	-21877	-21873	-21887	-21899	-21903	-21891	-21891	-21900	-21899	-21906	-21913	-21914	-21898	-21884	-21889	-21891	-21886
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20																									
21																									
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26																									
27																									
28																									
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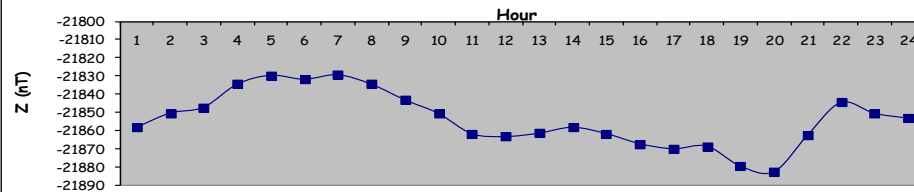
VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

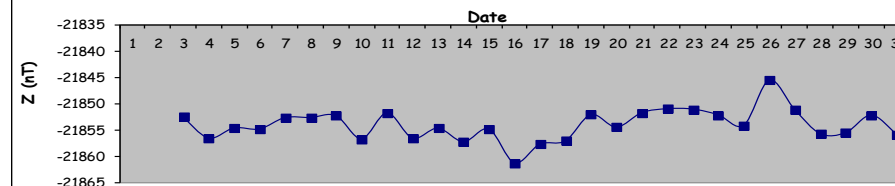
March-19

DATE	HOUR																							MEAN	
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1																									
2																									
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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



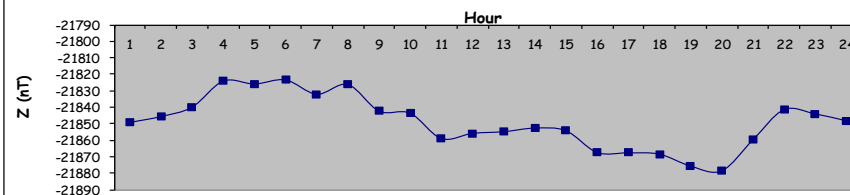
VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

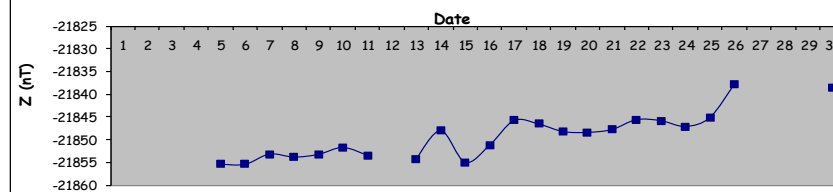
April-19

DATE	HOUR																							MEAN	
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1																									
2																									
3																									
4																									
5D	-21848	-21847	-21845	-21835	-21837	-21839	-21845	-21855	-21862	-21859	-21865	-21864	-21857	-21855	-21861	-21875	-21871	-21864	-21875	-21876	-21857	-21841	-21844	-21852	-21855
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12																									
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28																									
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Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date



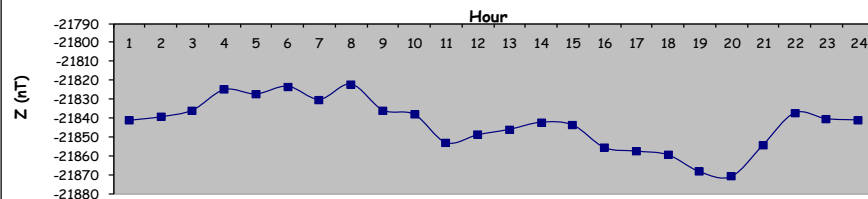
VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

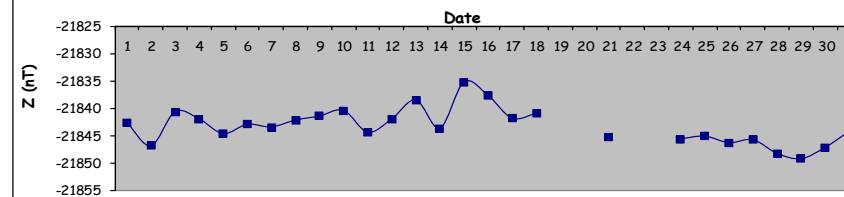
May-19

DATE	HOUR																							MEAN	
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20																									
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Grafik Hourly mean Values of Z vs Hour

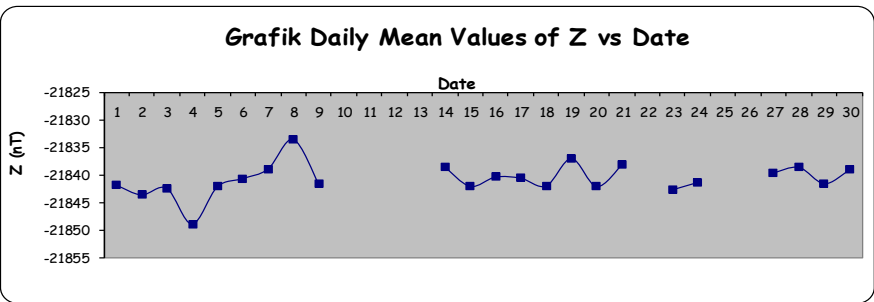
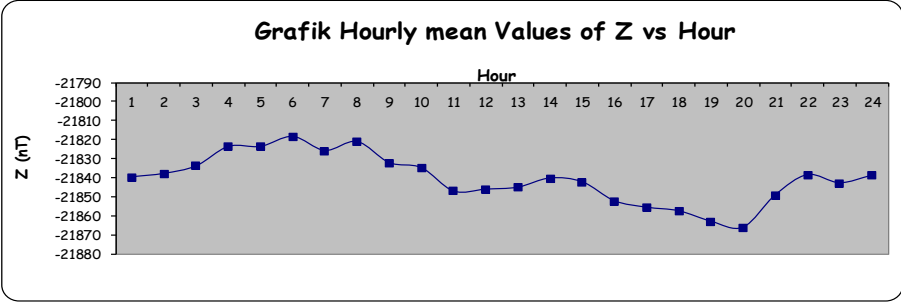


Grafik Daily Mean Values of Z vs Date

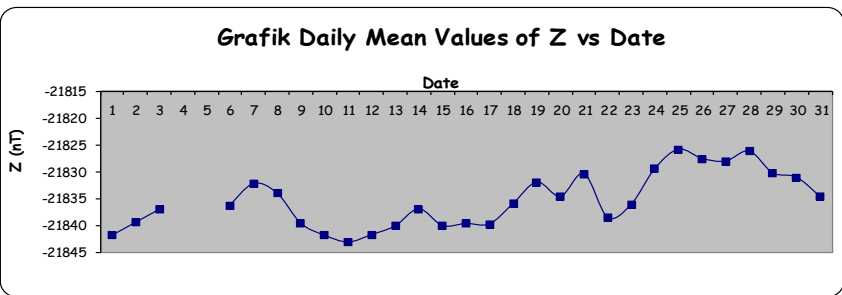
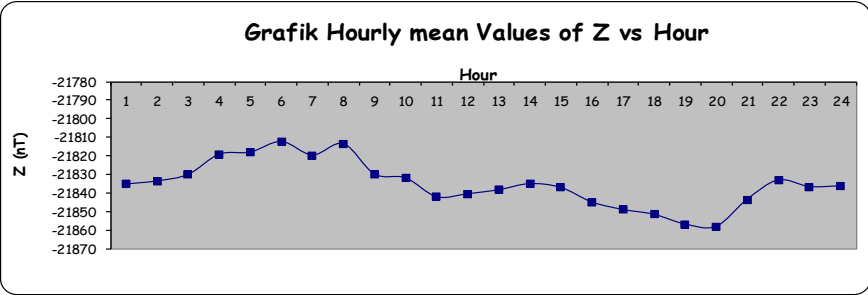


VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY																								June-19	
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	-21848	-21843	-21840	-21823	-21825	-21814	-21824	-21808	-21826	-21829	-21848	-21846	-21846	-21844	-21844	-21854	-21859	-21855	-21858	-21870	-21865	-21851	-21845	-21840	-21842
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11																									
12																									
13																									
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25																									
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TANGERANG MAGNETIC OBSERVATORY																								
DATE	HOUR																							
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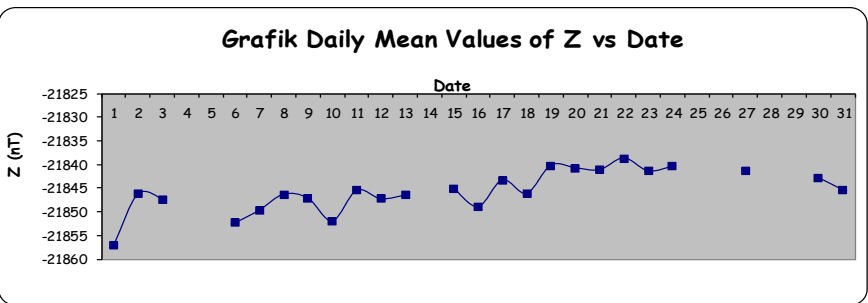
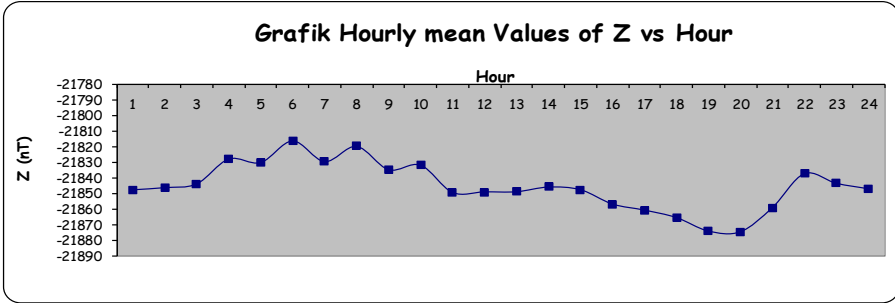


VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

August-19

DATE	HOUR																							MEAN	
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4																									
5																									
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28																									
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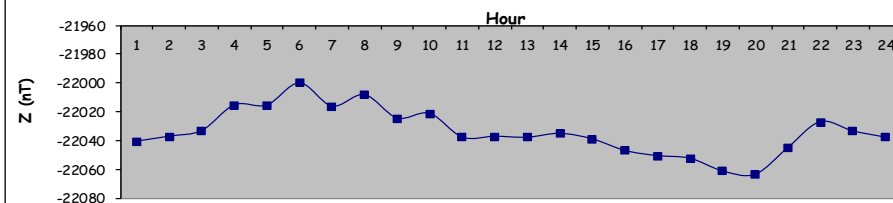
VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

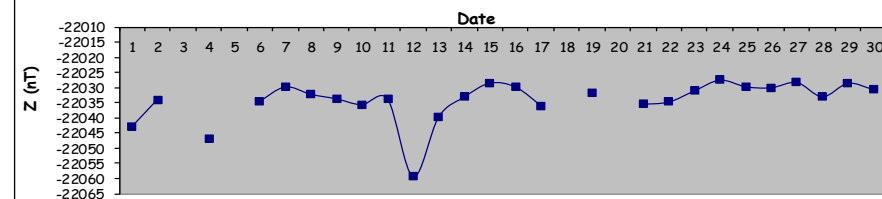
September-19

DATE	HOUR																							MEAN	
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3																									
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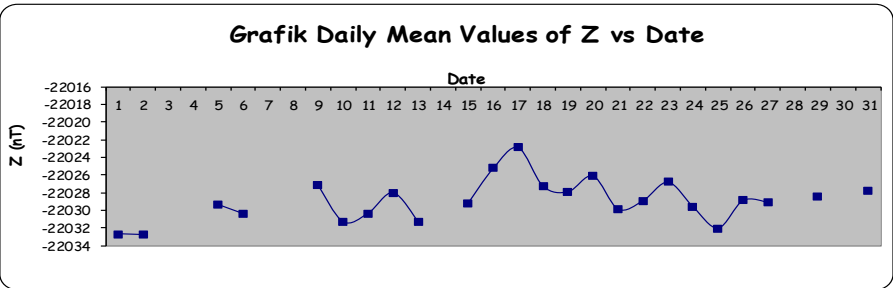
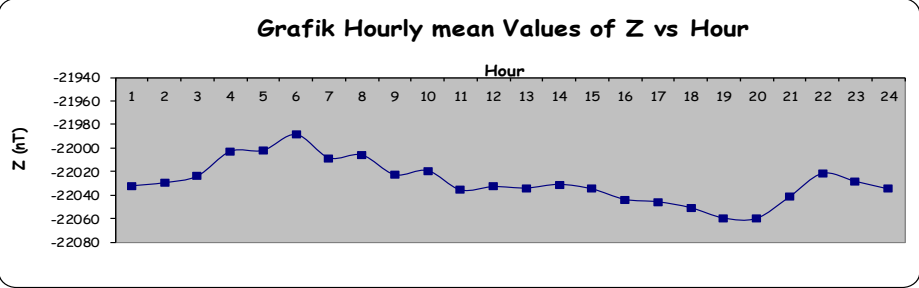
Grafik Hourly mean Values of Z vs Hour



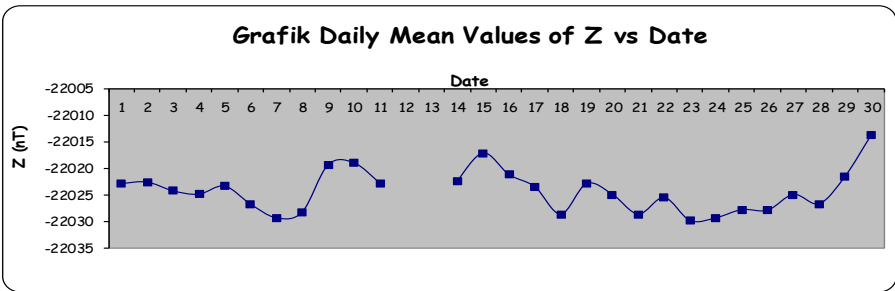
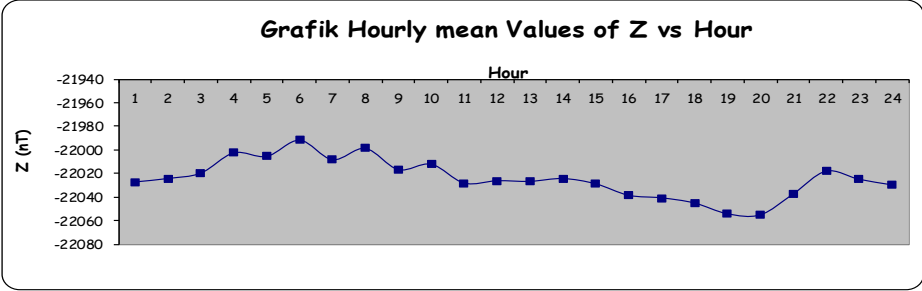
Grafik Daily Mean Values of Z vs Date



TANGERANG MAGNETIC OBSERVATORY																									
VERTICAL (Z) COMPONENT																									
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)																									
October-19																									
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TANGERANG MAGNETIC OBSERVATORY																								November-19	
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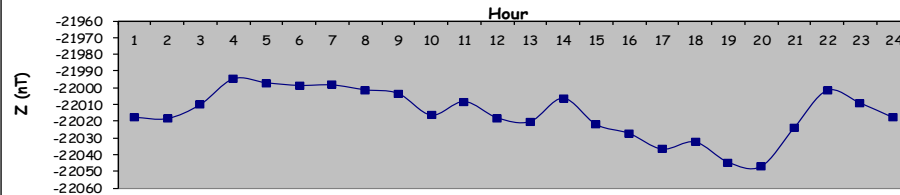
VERTICAL (Z) COMPONENT
HOURLY MEAN VALUES OF Z : (0 + Tabular values in nT)

TANGERANG MAGNETIC OBSERVATORY

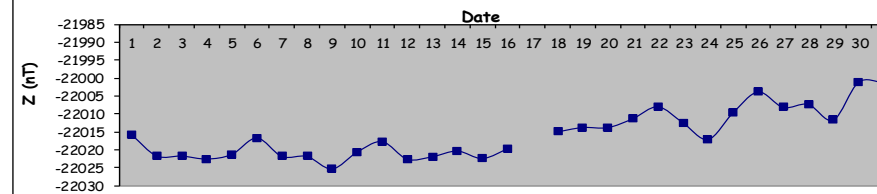
December-19

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Q	-22019	-22018	-22007	-21995	-21998	-21999	-22000	-22005	-22007	-22021	-22011	-22019	-22019	-22005	-22023	-22030	-22038	-22037	-22046	-22046	-22029	-22003	-22011	-22022	-22017
D	-22012	-22014	-22003	-21984	-21988	-21992	-21992	-21998	-22002	-22015	-22007	-22014	-22017	-22006	-22019	-22025	-22036	-22029	-22044	-22047	-22027	-22003	-22005	-22011	-22012

Grafik Hourly mean Values of Z vs Hour



Grafik Daily Mean Values of Z vs Date

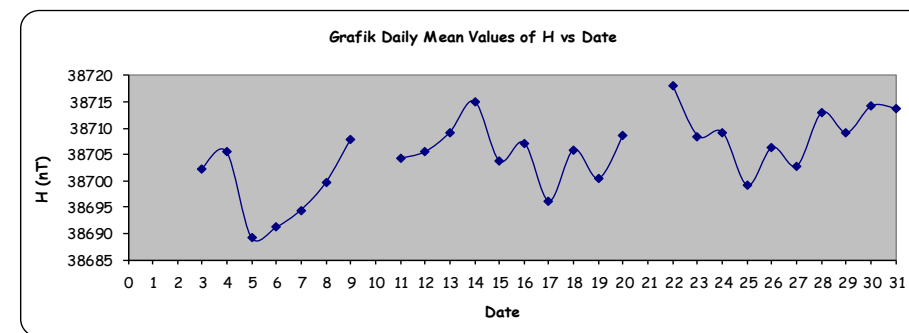
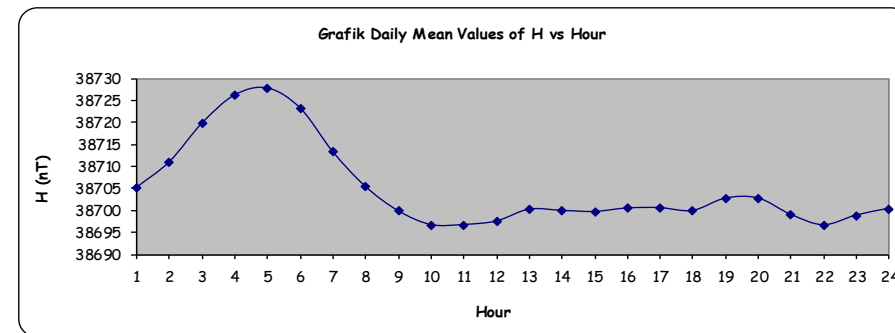


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

January-19

DATE	HOUR																							MEAN		
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2																										
3	38693	38699	38713	38725	38726	38717	38701	38695	38693	38690	38693	38697	38700	38701	38701	38703	38703	38704	38703	38697	38698	38699	38701		38702	
4D	38706	38710	38716	38725	38729	38718	38715	38713	38710	38697	38690	38704	38710	38703	38700	38708	38705	38693	38688	38690	38695	38704	38700	38701		38705
5	38702	38699	38706	38705	38702	38703	38700	38689	38678	38668	38685	38681	38680	38685	38688	38687	38678	38681	38688	38688	38685	38684	38691	38686		38689
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8	38705	38710	38714	38718	38716	38702	38692	38693	38691	38686	38685	38692	38692	38697	38695	38702	38700	38698	38701	38702	38700	38697	38699	38702		38700
9	38713	38723	38731	38741	38743	38736	38719	38711	38700	38698	38700	38699	38701	38701	38697	38696	38697	38697	38700	38701	38696	38693	38694	38697		38708
10																										
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19	38704	38705	38709	38712	38711	38711	38704	38699	38691	38686	38693	38694	38699	38703	38703	38705	38701	38696	38698	38695	38695	38694	38695	38704		38700
20	38711	38721	38726	38729	38726	38726	38717	38708	38702	38699	38698	38698	38702	38701	38701	38701	38707	38708	38709	38713	38704	38698	38700	38703		38709
21																										
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24D	38727	38726	38740	38746	38733	38721	38701	38687	38695	38696	38700	38703	38703	38706	38702	38705	38704	38700	38708	38710	38699	38701	38703	38703		38709
25	38707	38712	38711	38715	38714	38706	38699	38690	38682	38688	38699	38696	38691	38686	38687	38697	38702	38694	38702	38707	38702	38695	38699	38697		38699
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27Q	38695	38697	38703	38711	38720	38724	38719	38709	38699	38692	38692	38695	38700	38701	38705	38703	38702	38700	38702	38702	38699	38697	38701	38699		38703
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31D	38714	38723	38746	38755	38758	38755	38740	38730	38718	38710	38706	38701	38704	38699	38690	38684	38684	38690	38700	38707	38705	38691	38715	38702		38714
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D	38710	38713	38726	38733	38732	38726	38714	38706	38704	38700	38699	38702	38704	38701	38698	38696	38695	38692	38698	38701	38698	38696	38702	38700		38706

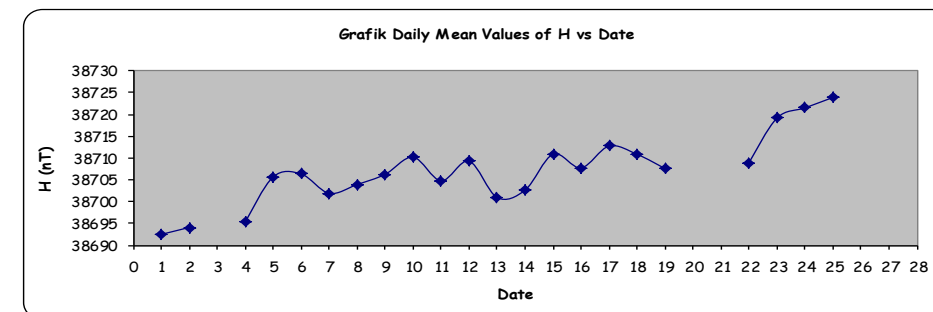
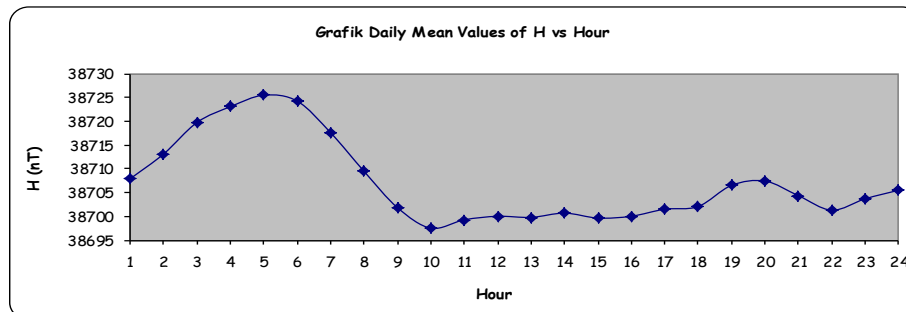


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

February-19

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	38692	38686	38703	38705	38703	38711	38712	38690	38675	38670	38677	38687	38688	38692	38685	38701	38692	38692	38713	38705	38695	38690	38697	38698	38694
3																									
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5	38702	38712	38718	38725	38728	38729	38719	38714	38704	38696	38694	38696	38699	38701	38699	38701	38702	38707	38702	38702	38696	38693	38697	38700	38706
6D	38705	38712	38725	38738	38745	38741	38732	38719	38701	38700	38693	38681	38671	38685	38696	38696	38705	38697	38706	38704	38702	38702	38699	38698	38706
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23Q	38718	38726	38736	38739	38742	38742	38729	38724	38719	38715	38711	38713	38714	38712	38712	38712	38711	38712	38716	38715	38711	38707	38711	38715	38719
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26																									
27																									
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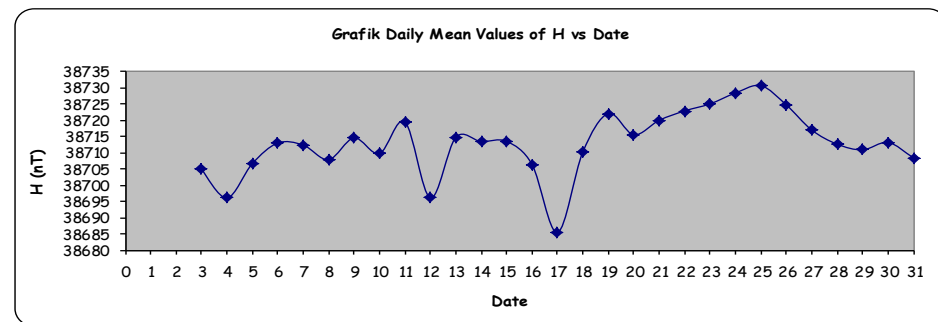
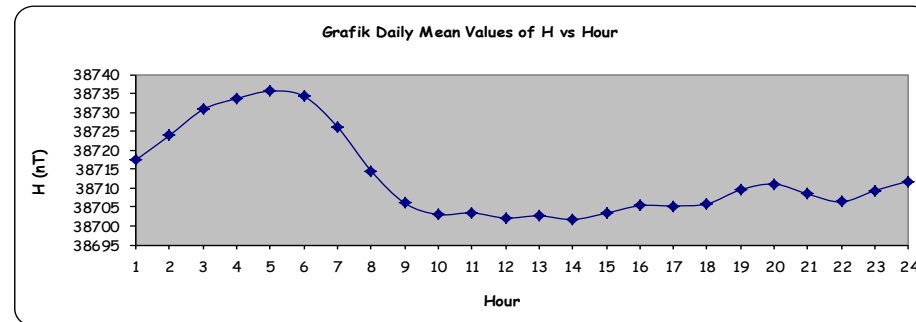


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

March-19

DATE	HOUR																							MEAN	
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2																									
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5	38701	38709	38722	38728	38729	38725	38715	38705	38698	38697	38701	38699	38703	38701	38700	38699	38698	38702	38708	38708	38704	38701	38704	38707	38707
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D	38717	38725	38732	38737	38743	38743	38732	38720	38713	38704	38701	38699	38699	38700	38703	38701	38694	38694	38701	38703	38702	38705	38707	38704	38712

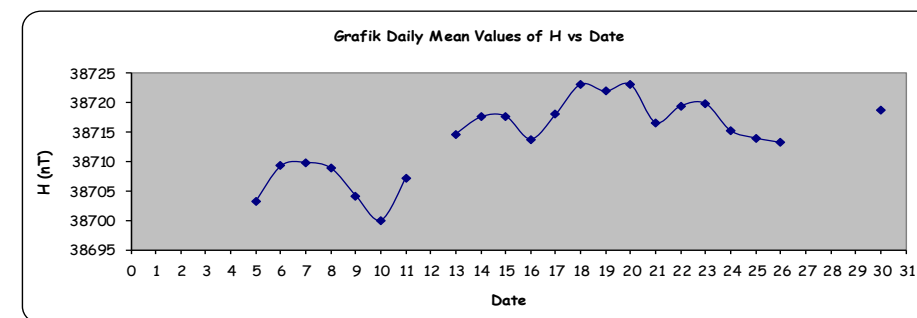
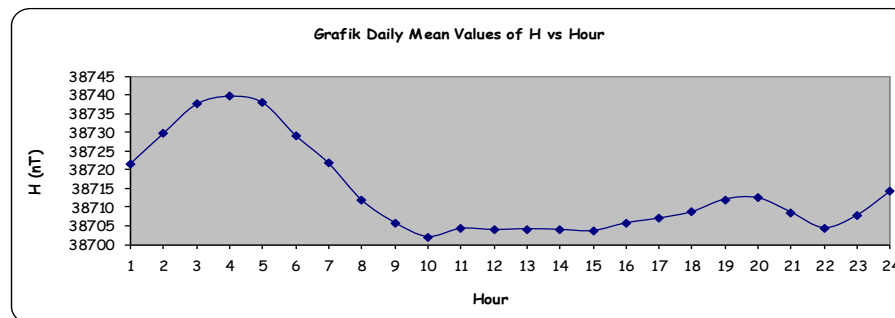


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

April-19

DATE	HOUR																							MEAN	
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1																									
2																									
3																									
4																									
5D	38714	38723	38726	38720	38714	38713	38704	38696	38689	38690	38695	38696	38695	38701	38688	38688	38696	38702	38703	38708	38705	38699	38705	38708	38703
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9	38708	38714	38712	38723	38724	38714	38705	38698	38686	38685	38694	38697	38698	38693	38692	38690	38689	38704	38716	38713	38711	38706	38709	38716	38704
10D	38713	38715	38719	38702	38700	38697	38697	38700	38696	38692	38698	38700	38697	38697	38688	38688	38694	38706	38712	38698	38695	38693	38698	38703	38700
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24	38727	38733	38742	38745	38747	38743	38742	38731	38720	38710	38701	38688	38689	38691	38700	38712	38709	38706	38707	38707	38701	38699	38701	38714	38715
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29																									
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Q	38728	38737	38745	38750	38748	38736	38727	38716	38712	38707	38709	38710	38712	38713	38713	38714	38713	38713	38716	38719	38714	38710	38713	38719	38721
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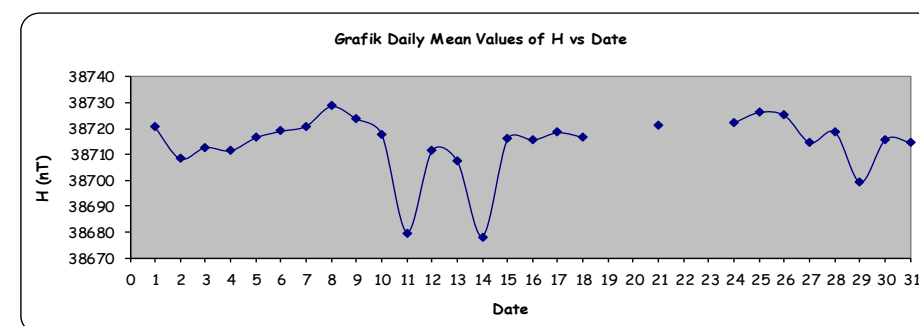
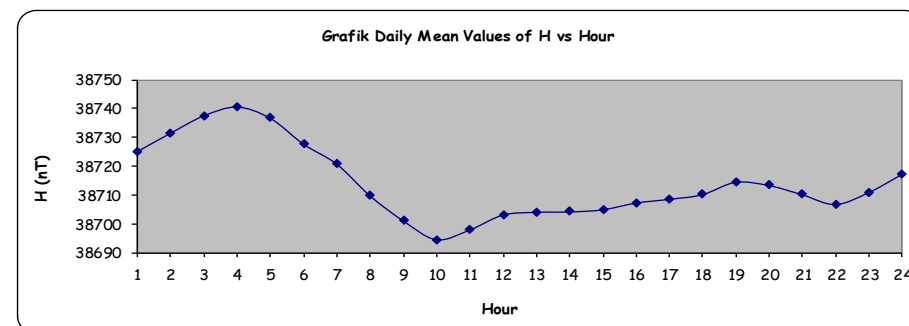


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

May-19

DATE	HOUR																							MEAN	
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2D	38724	38722	38720	38715	38701	38701	38706	38701	38692	38690	38696	38702	38708	38703	38700	38705	38707	38709	38723	38716	38714	38711	38714	38720	38708
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4	38725	38735	38749	38759	38751	38740	38721	38700	38682	38672	38687	38703	38703	38704	38702	38699	38704	38704	38714	38708	38701	38699	38703	38711	38711
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9	38736	38743	38749	38755	38754	38753	38743	38725	38713	38709	38703	38709	38714	38714	38714	38718	38715	38717	38718	38719	38715	38710	38710	38717	38724
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16	38732	38742	38745	38742	38738	38727	38719	38710	38708	38700	38701	38708	38711	38703	38703	38704	38708	38714	38712	38716	38713	38704	38706	38705	38716
17	38708	38729	38734	38744	38749	38748	38738	38718	38704	38702	38709	38712	38709	38705	38704	38711	38713	38715	38717	38718	38718	38710	38712	38717	38719
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19																									
20																									
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22																									
23																									
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28	38719	38726	38735	38740	38738	38735	38724	38718	38706	38698	38706	38709	38711	38712	38711	38718	38718	38722	38721	38717	38715	38709	38714	38724	38719
29D	38733	38738	38734	38715	38705	38696	38692	38696	38681	38667	38662	38678	38681	38686	38693	38694	38701	38701	38700	38708	38708	38702	38701	38709	38699
30	38714	38730	38738	38741	38734	38731	38732	38715	38709	38698	38706	38707	38705	38706	38711	38715	38713	38712	38712	38711	38713	38704	38708	38717	38716
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Mean	38725	38732	38738	38741	38737	38728	38721	38710	38701	38695	38698	38703	38704	38704	38705	38707	38709	38710	38714	38713	38710	38707	38711	38717	38714
Q	38725	38733	38743	38747	38744	38736	38725	38714	38705	38700	38706	38713	38712	38711	38712	38713	38714	38714	38717	38717	38712	38708	38712	38718	38719
D	38729	38730	38726	38722	38715	38713	38712	38704	38687	38675	38676	38685	38680	38684	38687	38692	38698	38698	38708	38704	38703	38702	38705	38712	38702

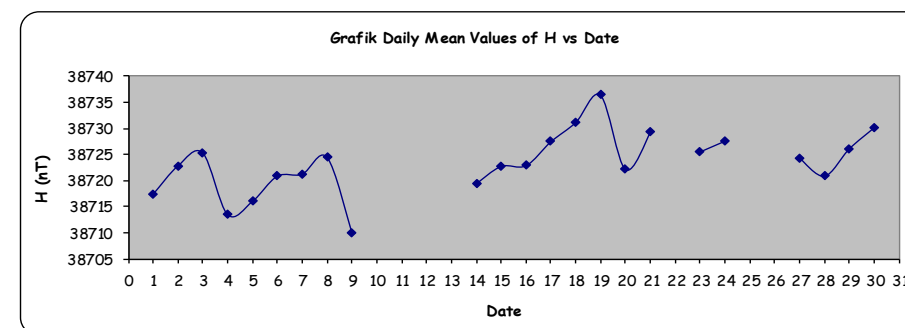
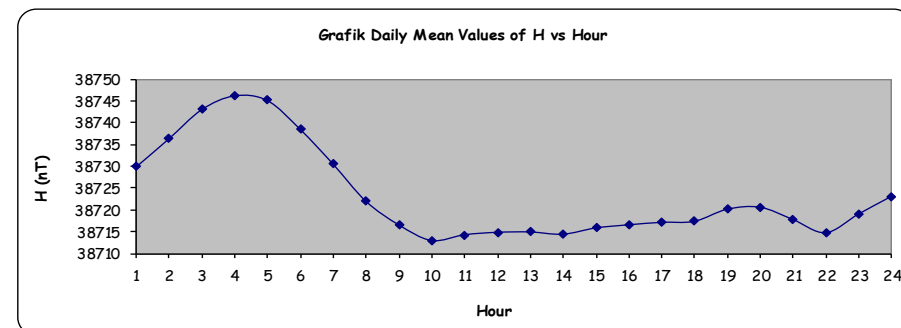


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

June-19

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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2Q	38730	38739	38742	38741	38738	38735	38732	38729	38719	38708	38710	38713	38716	38715	38715	38716	38717	38719	38720	38721	38718	38714	38718	38724	38723	
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4D	38733	38741	38750	38754	38752	38737	38719	38706	38700	38700	38709	38712	38713	38715	38714	38705	38692	38686	38689	38695	38694	38693	38702	38711	38714	
5	38716	38723	38733	38738	38740	38737	38726	38712	38710	38705	38706	38706	38707	38708	38708	38709	38709	38710	38712	38714	38711	38709	38714	38721	38716	
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7	38729	38735	38738	38740	38732	38726	38720	38719	38717	38715	38714	38720	38722	38720	38716	38718	38718	38721	38718	38717	38715	38711	38717	38718	38721	
8D	38721	38728	38734	38739	38744	38741	38732	38720	38718	38719	38732	38731	38731	38730	38734	38723	38732	38708	38726	38712	38709	38700	38716	38707	38725	
9D	38715	38722	38720	38728	38725	38717	38710	38707	38704	38702	38703	38702	38701	38702	38701	38703	38705	38712	38712	38713	38711	38707	38706	38710	38710	
10																										
11																										
12																										
13																										
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18	38735	38742	38749	38753	38751	38747	38738	38731	38729	38725	38724	38724	38723	38724	38722	38722	38725	38724	38727	38727	38727	38724	38727	38729	38731	
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25																										
26																										
27	38727	38732	38734	38736	38737	38733	38730	38725	38721	38714	38715	38714	38711	38711	38717	38721	38724	38726	38728	38728	38727	38722	38724	38727	38724	
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29Q	38731	38738	38743	38748	38746	38738	38731	38719	38711	38711	38713	38714	38716	38717	38719	38723	38725	38726	38727	38727	38724	38721	38728	38732	38726	
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Q	38729	38736	38742	38745	38743	38735	38730	38723	38717	38713	38714	38715	38715	38714	38715	38717	38718	38719	38721	38722	38718	38714	38718	38724	38723	
D	38724	38731	38736	38742	38742	38733	38721	38712	38709	38707	38712	38712	38712	38712	38714	38711	38710	38705	38712	38711	38708	38704	38711	38714	38717	

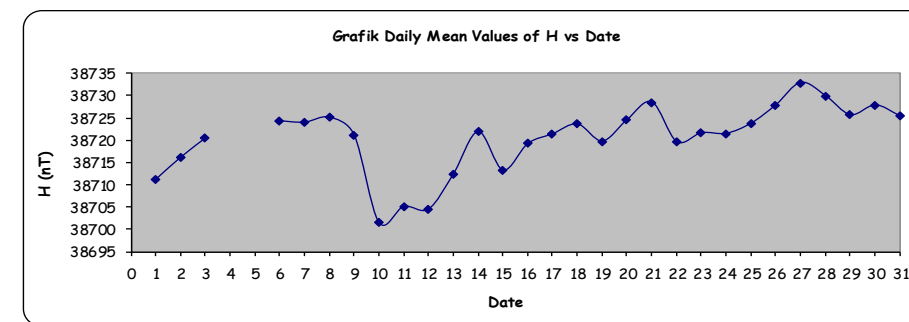
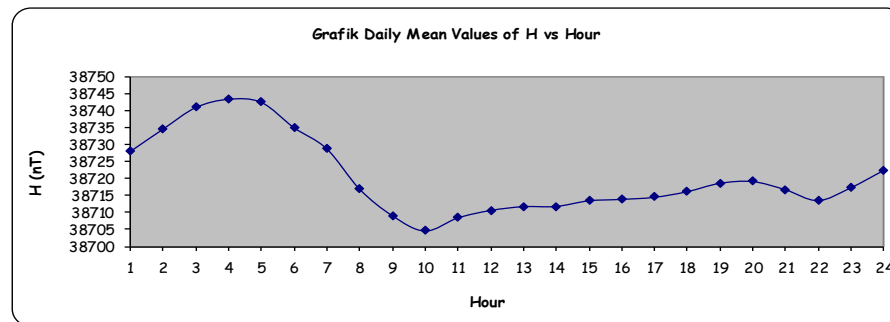


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

July-19

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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2	38723	38733	38739	38741	38743	38737	38730	38717	38703	38700	38708	38708	38707	38704	38701	38701	38701	38703	38715	38715	38710	38710	38717	38724	38716
3	38728	38733	38741	38747	38745	38731	38723	38709	38701	38700	38713	38715	38721	38719	38720	38718	38718	38717	38715	38716	38712	38710	38714	38722	38720
4																									
5																									
6Q	38727	38734	38742	38746	38743	38731	38722	38714	38714	38709	38713	38718	38721	38722	38722	38721	38721	38722	38725	38725	38721	38720	38723	38728	38724
7	38734	38742	38750	38749	38749	38742	38734	38722	38714	38710	38711	38708	38710	38712	38715	38716	38718	38717	38724	38723	38716	38714	38722	38724	38724
8	38730	38736	38742	38743	38739	38733	38727	38713	38707	38705	38706	38706	38707	38710	38711	38712	38714	38717	38718	38735	38749	38747	38751	38745	38725
9D	38737	38743	38748	38755	38751	38737	38733	38721	38705	38699	38704	38713	38712	38703	38710	38714	38712	38719	38725	38709	38721	38712	38711	38715	38721
10D	38728	38740	38748	38752	38741	38698	38695	38678	38679	38653	38667	38673	38686	38684	38690	38695	38701	38703	38707	38710	38707	38701	38700	38705	38702
11D	38712	38714	38721	38727	38728	38718	38717	38703	38689	38691	38697	38696	38693	38697	38699	38701	38701	38704	38706	38706	38700	38700	38701	38705	38705
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13	38714	38721	38729	38733	38736	38732	38726	38716	38704	38693	38700	38706	38702	38699	38701	38706	38700	38705	38710	38715	38710	38709	38713	38718	38712
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15	38721	38720	38723	38724	38725	38729	38729	38720	38714	38712	38704	38701	38713	38709	38703	38700	38701	38702	38708	38713	38711	38709	38713	38716	38713
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17	38733	38747	38750	38744	38737	38732	38738	38722	38713	38707	38708	38710	38708	38710	38714	38715	38715	38715	38716	38718	38713	38711	38716	38720	38721
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19Q	38727	38729	38735	38741	38744	38735	38722	38709	38703	38699	38706	38712	38719	38719	38719	38719	38718	38718	38719	38718	38713	38711	38716	38724	38720
20Q	38728	38736	38748	38748	38751	38742	38733	38718	38710	38707	38714	38715	38716	38718	38720	38719	38722	38725	38723	38723	38716	38712	38718	38728	38725
21	38735	38743	38750	38749	38751	38748	38739	38732	38722	38710	38709	38711	38713	38714	38714	38719	38717	38728	38730	38735	38722	38710	38731	38754	38729
22	38761	38765	38765	38763	38757	38744	38723	38717	38704	38689	38693	38703	38700	38704	38713	38711	38711	38710	38709	38709	38703	38701	38707	38712	38720
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24	38719	38724	38734	38740	38751	38742	38738	38726	38718	38711	38713	38715	38714	38719	38720	38713	38714	38718	38719	38715	38713	38709	38711	38720	38722
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26Q	38730	38738	38743	38745	38744	38744	38738	38725	38720	38715	38716	38718	38719	38721	38721	38725	38725	38727	38727	38729	38728	38720	38723	38729	38728
27	38739	38747	38754	38761	38764	38758	38749	38736	38726	38733	38729	38730	38727	38724	38723	38725	38722	38726	38720	38717	38720	38716	38716	38724	38733
28	38734	38744	38751	38754	38750	38743	38741	38730	38723	38719	38721	38718	38720	38722	38725	38731	38730	38725	38724	38724	38721	38720	38721	38728	38730
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30D	38726	38738	38750	38751	38750	38747	38741	38730	38727	38723	38723	38721	38723	38714	38719	38711	38716	38717	38721	38720	38720	38719	38730	38729	38728
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Mean	38728	38735	38741	38743	38742	38735	38729	38717	38709	38705	38708	38711	38712	38712	38713	38714	38715	38716	38719	38719	38717	38714	38717	38722	38720
Q	38728	38734	38742	38745	38745	38738	38729	38717	38712	38708	38712	38716	38719	38720	38721	38721	38722	38723	38724	38724	38720	38716	38720	38727	38724
D	38726	38734	38742	38746	38742	38725	38721	38708	38700	38691	38698	38701	38703	38699	38704	38705	38707	38711	38715	38711	38712	38708	38710	38714	38714

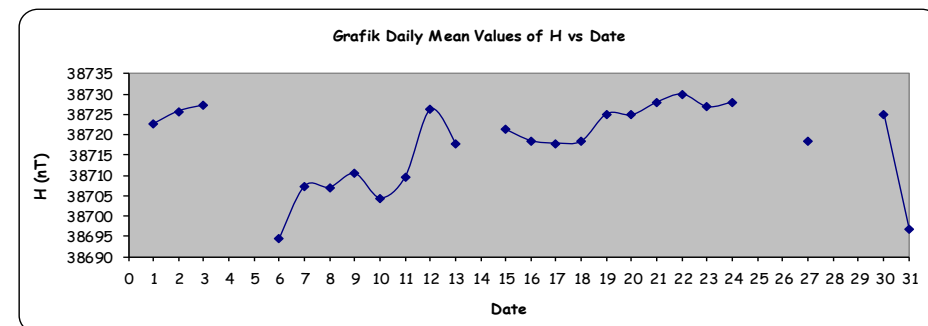
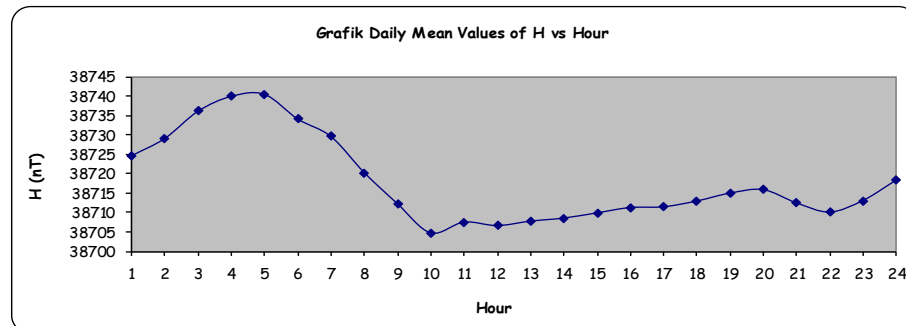


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

August-19

DATE	HOUR																							MEAN	
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2Q	38728	38731	38738	38742	38746	38739	38740	38726	38721	38711	38711	38714	38717	38717	38720	38721	38721	38724	38725	38726	38724	38723	38724	38727	38726
3Q	38732	38737	38744	38745	38747	38742	38737	38726	38719	38717	38720	38721	38722	38723	38725	38725	38723	38721	38722	38722	38719	38717	38721	38727	38727
4																									
5																									
6D	38696	38700	38702	38706	38706	38701	38698	38696	38689	38673	38676	38680	38689	38696	38692	38692	38692	38698	38701	38700	38698	38693	38691	38699	38694
7	38714	38721	38727	38732	38735	38723	38713	38697	38693	38691	38696	38698	38698	38698	38700	38704	38703	38707	38707	38707	38705	38701	38700	38704	38707
8	38707	38715	38723	38727	38727	38724	38711	38704	38702	38697	38701	38703	38707	38700	38703	38693	38700	38703	38708	38708	38705	38695	38701	38705	38707
9	38709	38716	38726	38730	38727	38719	38712	38695	38694	38695	38705	38704	38706	38699	38702	38706	38704	38716	38717	38714	38712	38712	38712	38717	38710
10	38715	38709	38713	38715	38715	38715	38708	38699	38695	38684	38697	38699	38701	38701	38702	38701	38701	38703	38707	38709	38705	38702	38702	38705	38704
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20	38723	38729	38744	38750	38751	38748	38750	38740	38727	38717	38718	38715	38712	38712	38713	38719	38716	38717	38717	38719	38714	38710	38714	38720	38725
21	38721	38732	38743	38751	38751	38744	38745	38735	38734	38724	38722	38720	38719	38717	38717	38720	38723	38723	38726	38724	38725	38719	38717	38719	38728
22	38725	38731	38743	38753	38763	38757	38752	38739	38728	38724	38727	38723	38722	38721	38722	38722	38723	38718	38719	38720	38716	38717	38723	38730	38730
23	38737	38745	38757	38764	38756	38749	38742	38730	38719	38708	38709	38708	38711	38714	38713	38716	38719	38722	38725	38724	38717	38714	38718	38726	38727
24	38731	38740	38753	38751	38753	38746	38746	38732	38724	38714	38717	38718	38718	38719	38721	38722	38723	38725	38719	38722	38716	38714	38719	38729	38728
25																									
26																									
27D	38744	38747	38761	38770	38762	38737	38735	38721	38711	38701	38690	38679	38687	38696	38708	38712	38707	38710	38711	38715	38710	38708	38710	38711	38718
28																									
29																									
30D	38740	38742	38751	38746	38748	38737	38742	38766	38711	38710	38719	38720	38722	38714	38707	38707	38715	38707	38706	38717	38715	38716	38717	38726	38725
31D	38735	38739	38729	38719	38719	38709	38689	38685	38694	38677	38688	38667	38660	38679	38685	38693	38686	38683	38701	38700	38693	38688	38702	38704	38697
Mean	38725	38729	38736	38740	38740	38734	38730	38720	38712	38705	38707	38707	38708	38708	38710	38711	38711	38713	38715	38716	38712	38710	38713	38718	38718
Q	38728	38731	38737	38741	38744	38738	38736	38726	38719	38714	38715	38716	38718	38719	38721	38721	38720	38720	38722	38723	38720	38719	38722	38725	38725
D	38729	38732	38736	38735	38734	38721	38716	38717	38701	38690	38693	38687	38689	38696	38698	38701	38700	38699	38705	38708	38704	38701	38705	38710	38709

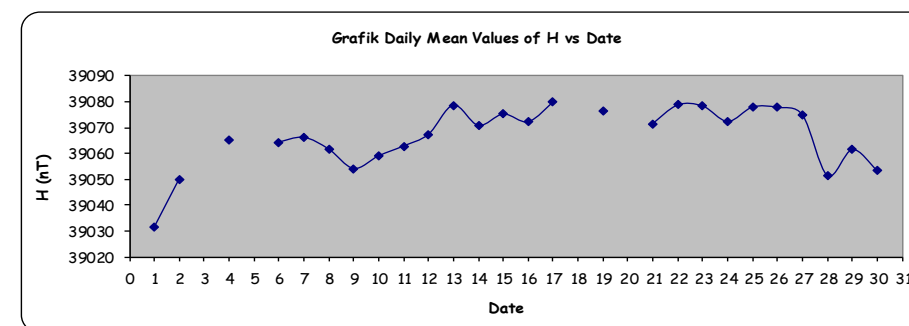
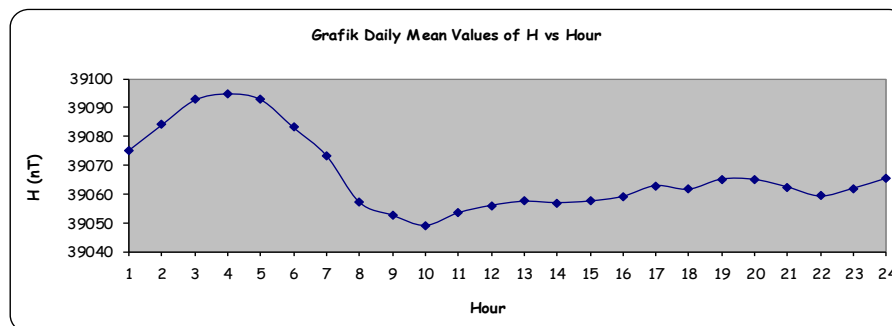


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

September-19

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	39055	39064	39074	39057	39024	39008	39006	38999	39017	39006	39000	39020	39024	39015	39012	39026	39037	39040	39056	39056	39036	39034	39043	39045	39031
2D	39050	39066	39070	39072	39064	39057	39036	39041	39041	39038	39042	39042	39050	39053	39047	39042	39043	39044	39058	39045	39046	39048	39052	39055	39050
3																									
4	39138	39139	39126	39073	39075	39069	39074	39036	39031	39025	39044	39050	39051	39057	39062	39059	39056	39051	39053	39061	39063	39057	39054	39061	39065
5																									
6	39071	39083	39093	39123	39109	39089	39091	39058	39042	39034	39037	39044	39049	39053	39056	39057	39057	39058	39056	39057	39054	39053	39056	39061	39064
7	39070	39080	39089	39095	39094	39088	39075	39060	39061	39054	39051	39048	39052	39053	39063	39062	39060	39062	39067	39065	39059	39058	39058	39067	39066
8	39076	39085	39098	39101	39099	39079	39059	39043	39038	39039	39046	39056	39052	39047	39046	39050	39057	39055	39061	39062	39061	39052	39058	39059	39062
9	39070	39070	39080	39086	39086	39075	39062	39044	39048	39050	39030	39017	39026	39037	39038	39047	39068	39049	39052	39057	39054	39049	39049	39054	39054
10Q	39065	39071	39077	39074	39071	39060	39060	39057	39052	39049	39055	39056	39054	39046	39049	39054	39057	39060	39062	39062	39060	39053	39055	39056	39059
11	39062	39069	39077	39087	39094	39089	39070	39051	39051	39045	39051	39048	39048	39048	39054	39061	39058	39060	39064	39065	39065	39061	39063	39066	39063
12	39068	39073	39085	39087	39086	39084	39075	39062	39052	39044	39040	39049	39060	39064	39069	39065	39068	39063	39062	39064	39068	39069	39075	39086	39067
13	39099	39108	39114	39124	39120	39103	39084	39077	39068	39063	39064	39067	39065	39063	39064	39068	39072	39067	39065	39064	39067	39063	39067	39071	39079
14	39079	39084	39094	39097	39094	39086	39071	39056	39054	39050	39060	39064	39066	39066	39068	39068	39071	39070	39067	39073	39064	39064	39063	39069	39071
15	39081	39095	39107	39112	39101	39092	39088	39071	39061	39056	39063	39066	39068	39067	39069	39073	39066	39070	39065	39065	39059	39064	39070	39074	39075
16	39078	39086	39086	39075	39091	39081	39085	39076	39068	39061	39062	39065	39065	39068	39071	39065	39061	39064	39069	39071	39068	39069	39072	39077	39072
17	39083	39093	39115	39127	39124	39110	39094	39072	39066	39064	39069	39073	39074	39070	39070	39070	39069	39068	39074	39068	39071	39061	39061	39070	39080
18																									
19Q	39076	39090	39099	39103	39100	39091	39081	39070	39066	39065	39068	39069	39073	39070	39072	39071	39071	39071	39072	39072	39071	39066	39069	39075	39076
20																									
21	39088	39100	39112	39125	39126	39117	39102	39085	39065	39049	39040	39038	39043	39049	39055	39053	39057	39063	39061	39060	39056	39054	39058	39059	39072
22Q	39063	39069	39081	39090	39097	39096	39095	39083	39076	39071	39075	39076	39077	39080	39080	39077	39076	39079	39081	39080	39075	39071	39071	39071	39079
23	39074	39079	39089	39098	39110	39105	39092	39072	39063	39058	39067	39070	39076	39075	39074	39072	39068	39069	39075	39079	39075	39075	39078	39085	39078
24	39087	39097	39101	39104	39098	39077	39063	39050	39046	39051	39058	39063	39062	39068	39064	39071	39071	39063	39071	39078	39077	39070	39071	39073	39072
25	39083	39095	39104	39103	39105	39094	39082	39071	39065	39057	39067	39068	39071	39070	39071	39075	39075	39074	39076	39076	39074	39068	39069	39076	39078
26Q	39079	39082	39095	39103	39105	39097	39092	39073	39068	39066	39071	39071	39071	39072	39069	39071	39070	39071	39076	39077	39073	39070	39071	39075	39078
27D	39079	39088	39094	39098	39103	39100	39105	39087	39083	39089	39103	39090	39074	39055	39043	39041	39071	39048	39070	39059	39053	39045	39068	39050	39075
28D	39054	39070	39084	39079	39073	39074	39048	39012	39007	39010	39033	39046	39050	39050	39036	39048	39057	39061	39060	39057	39062	39056	39054	39050	39051
29	39063	39074	39086	39090	39085	39068	39059	39048	39046	39045	39055	39059	39059	39057	39060	39059	39064	39070	39062	39060	39053	39052	39049	39052	39061
30	39063	39074	39081	39084	39081	39075	39060	39029	39032	39034	39037	39041	39034	39028	39032	39034	39055	39052	39060	39061	39059	39056	39055	39063	39053
Mean	39075	39084	39093	39095	39093	39083	39073	39057	39053	39049	39053	39056	39057	39057	39058	39059	39063	39062	39065	39065	39062	39059	39062	39065	39067
Q	39071	39078	39088	39092	39093	39086	39082	39071	39066	39063	39067	39068	39069	39067	39068	39068	39069	39070	39073	39073	39070	39065	39066	39069	39073
D	39059	39072	39080	39076	39066	39060	39049	39035	39037	39036	39045	39049	39049	39043	39034	39039	39052	39048	39061	39054	39049	39046	39054	39050	39052

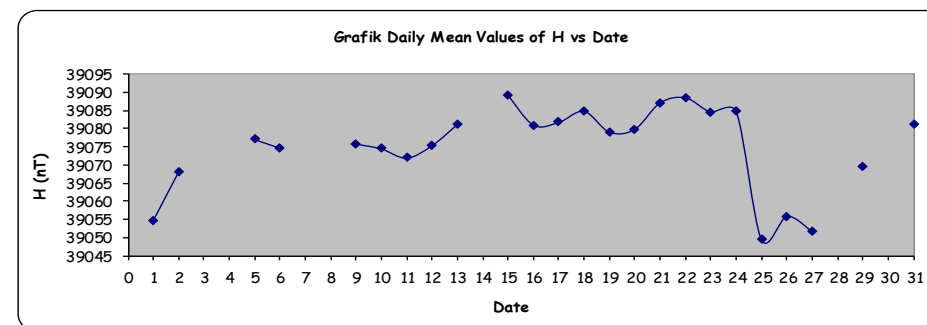
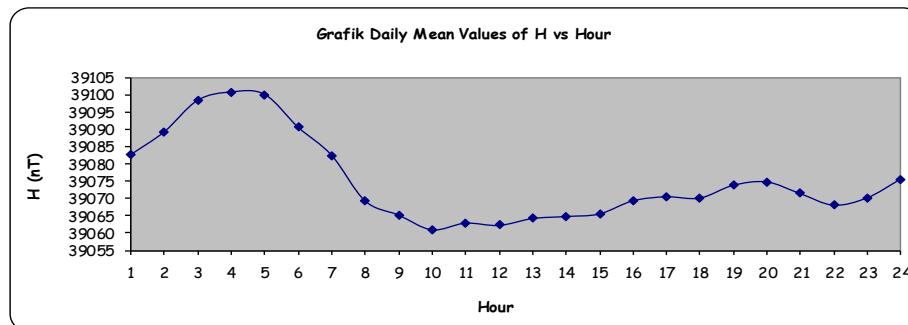


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

October-19

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	39080	39092	39091	39079	39078	39066	39045	39033	39031	39028	39034	39037	39046	39046	39043	39048	39050	39051	39055	39057	39053	39051	39056	39063	39055
2	39060	39068	39081	39089	39095	39089	39080	39063	39061	39059	39064	39062	39063	39057	39065	39061	39061	39066	39068	39066	39062	39067	39068	39068	39068
3																									
4																									
5	39082	39088	39097	39102	39104	39093	39084	39072	39069	39070	39075	39073	39071	39066	39059	39062	39065	39070	39077	39073	39070	39070	39078	39082	39077
6	39091	39102	39108	39110	39105	39094	39084	39070	39060	39054	39056	39061	39062	39058	39061	39072	39071	39068	39070	39070	39066	39064	39066	39069	39075
7																									
8																									
9	39085	39092	39101	39103	39107	39103	39095	39075	39066	39047	39029	39039	39050	39058	39067	39074	39076	39077	39083	39085	39071	39070	39077	39091	39076
10	39104	39117	39132	39131	39127	39097	39070	39048	39053	39053	39054	39054	39057	39059	39061	39052	39061	39062	39066	39070	39067	39064	39064	39067	39075
11D	39077	39091	39102	39101	39102	39094	39084	39064	39058	39054	39061	39064	39067	39061	39056	39070	39065	39064	39074	39067	39061	39058	39065	39069	39072
12Q	39082	39095	39102	39101	39102	39089	39079	39067	39060	39061	39068	39064	39066	39065	39067	39070	39069	39069	39070	39075	39071	39069	39071	39077	39075
13Q	39085	39092	39101	39104	39103	39097	39088	39072	39065	39064	39072	39077	39079	39078	39079	39079	39079	39078	39079	39079	39076	39073	39074	39079	39081
14																									
15	39089	39102	39106	39111	39110	39100	39093	39084	39080	39078	39083	39081	39082	39081	39082	39081	39081	39083	39085	39084	39086	39086	39092	39105	39089
16	39105	39100	39104	39103	39096	39082	39080	39068	39065	39071	39078	39081	39079	39079	39076	39075	39074	39075	39077	39078	39079	39069	39071	39078	39081
17	39088	39094	39100	39109	39105	39092	39086	39080	39077	39074	39075	39072	39075	39076	39075	39074	39077	39075	39078	39077	39077	39072	39075	39079	39082
18	39086	39097	39111	39125	39119	39106	39093	39078	39072	39072	39074	39072	39074	39074	39083	39079	39080	39081	39079	39078	39080	39075	39075	39076	39085
19	39083	39093	39106	39110	39116	39113	39106	39092	39081	39073	39067	39064	39064	39065	39061	39067	39070	39065	39067	39065	39067	39063	39067	39074	39079
20	39080	39087	39098	39100	39096	39092	39088	39074	39068	39064	39071	39070	39070	39066	39065	39069	39074	39078	39081	39088	39088	39085	39082	39079	39075
21Q	39076	39089	39105	39116	39117	39104	39096	39085	39081	39074	39086	39084	39087	39088	39082	39081	39080	39079	39080	39081	39080	39077	39079	39087	39087
22	39089	39094	39105	39109	39110	39106	39104	39094	39089	39080	39079	39077	39082	39084	39086	39085	39081	39084	39087	39082	39081	39078	39080	39083	39089
23Q	39085	39088	39095	39096	39094	39089	39086	39076	39073	39072	39078	39078	39082	39081	39083	39084	39086	39085	39087	39089	39087	39083	39084	39090	39085
24D	39098	39105	39115	39119	39120	39120	39126	39112	39117	39101	39068	39059	39043	39043	39050	39067	39077	39063	39068	39094	39074	39067	39061	39070	39085
25D	39082	39080	39074	39061	39060	39050	39034	39013	39003	39002	39023	39017	39030	39062	39056	39051	39058	39067	39065	39062	39059	39056	39058	39063	39049
26D	39072	39077	39073	39087	39085	39077	39074	39061	39054	39034	39024	39024	39038	39026	39030	39067	39052	39056	39068	39062	39059	39052	39045	39047	39056
27	39041	39036	39041	39044	39050	39040	39041	39036	39048	39050	39057	39049	39049	39056	39059	39064	39063	39060	39066	39066	39057	39054	39053	39061	39052
28																									
29	39076	39079	39088	39086	39089	39084	39078	39065	39062	39059	39063	39062	39061	39057	39053	39057	39067	39053	39059	39069	39069	39068	39077	39085	39070
30																									
31	39088	39083	39123	39120	39111	39096	39087	39082	39073	39069	39071	39072	39072	39072	39072	39071	39072	39077	39078	39077	39074	39072	39071	39074	39081
Mean	39083	39089	39098	39101	39100	39091	39082	39069	39065	39061	39063	39062	39064	39065	39066	39069	39071	39070	39074	39075	39071	39068	39070	39076	39075
Q	39082	39091	39101	39104	39104	39095	39087	39075	39070	39068	39076	39076	39078	39078	39078	39079	39078	39078	39079	39081	39078	39076	39077	39083	39082
D	39082	39088	39091	39092	39092	39085	39080	39062	39058	39048	39044	39041	39044	39048	39048	39064	39063	39062	39069	39071	39063	39058	39057	39062	39066

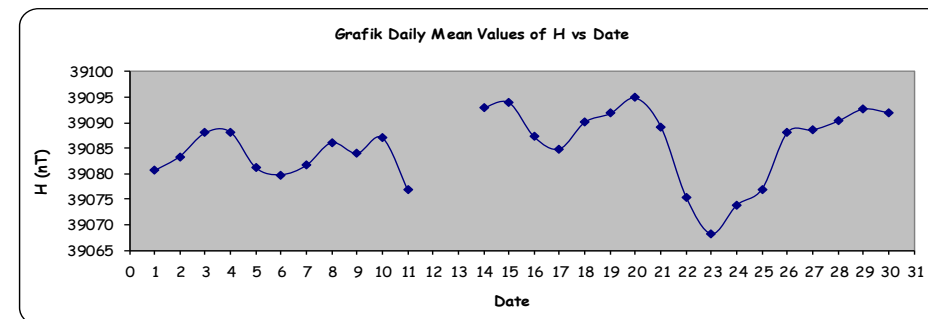
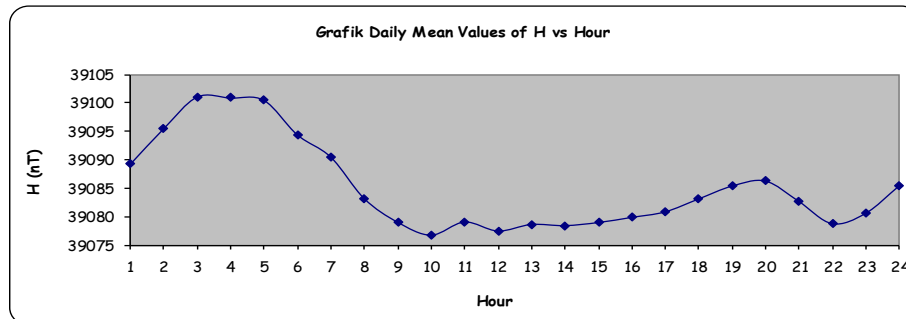


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

TANGERANG MAGNETIC OBSERVATORY

November-19

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	
1Q	39078	39084	39090	39090	39097	39095	39092	39088	39088	39081	39075	39074	39073	39074	39074	39078	39076	39077	39078	39075	39072	39074	39077	39081
2	39078	39082	39090	39091	39092	39092	39090	39084	39079	39079	39077	39078	39080	39081	39082	39083	39083	39081	39081	39085	39083	39081	39083	39086
3Q	39094	39099	39106	39110	39111	39101	39095	39087	39079	39079	39081	39081	39083	39082	39083	39085	39083	39085	39087	39085	39082	39077	39077	39080
4	39081	39087	39093	39094	39095	39096	39104	39119	39111	39105	39098	39087	39083	39078	39082	39078	39077	39078	39080	39083	39079	39072	39076	39080
5	39085	39090	39091	39095	39093	39092	39093	39089	39084	39081	39080	39083	39079	39076	39069	39066	39070	39078	39074	39075	39078	39073	39076	39079
6	39083	39088	39084	39085	39086	39085	39079	39070	39065	39064	39069	39069	39074	39075	39082	39086	39081	39081	39084	39087	39084	39084	39082	39091
7	39099	39101	39104	39099	39094	39086	39083	39079	39075	39071	39069	39070	39073	39075	39080	39076	39078	39079	39081	39080	39078	39075	39074	39081
8	39092	39100	39106	39095	39095	39097	39096	39085	39082	39079	39077	39076	39079	39079	39081	39083	39083	39084	39085	39085	39082	39078	39080	39085
9	39088	39093	39101	39097	39096	39088	39085	39080	39080	39079	39078	39077	39079	39075	39079	39083	39083	39083	39086	39087	39080	39076	39076	39087
10	39092	39096	39104	39099	39098	39094	39092	39083	39081	39075	39078	39078	39078	39080	39082	39086	39085	39084	39086	39088	39085	39083	39086	39095
11	39099	39104	39107	39104	39106	39101	39098	39090	39085	39086	39079	39052	39036	39042	39049	39048	39049	39057	39068	39069	39069	39069	39086	39089
12																								
13																								
14	39090	39106	39115	39118	39114	39103	39097	39092	39093	39089	39087	39086	39084	39084	39087	39087	39084	39086	39089	39089	39089	39083	39084	39092
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17	39092	39096	39101	39097	39100	39092	39088	39078	39073	39072	39077	39077	39079	39078	39079	39081	39084	39085	39086	39086	39082	39082	39085	39086
18	39088	39094	39101	39100	39098	39094	39093	39089	39085	39085	39087	39086	39088	39089	39088	39091	39089	39091	39090	39092	39086	39082	39084	39094
19	39102	39109	39112	39106	39101	39095	39090	39082	39082	39080	39085	39086	39089	39090	39090	39091	39091	39091	39092	39093	39090	39080	39086	39090
20D	39092	39097	39106	39108	39107	39100	39098	39092	39088	39085	39085	39084	39086	39087	39089	39097	39099	39103	39106	39105	39101	39092	39088	39085
21	39087	39097	39105	39104	39113	39103	39103	39092	39091	39090	39098	39088	39082	39080	39079	39074	39074	39077	39096	39091	39083	39074	39077	39085
22D	39089	39092	39089	39094	39095	39088	39079	39065	39056	39057	39070	39067	39063	39062	39070	39072	39067	39075	39076	39080	39079	39075	39073	39076
23	39077	39080	39082	39087	39085	39082	39076	39067	39062	39057	39057	39055	39064	39063	39044	39045	39057	39065	39064	39076	39072	39068	39072	39077
24	39079	39085	39090	39090	39084	39074	39072	39070	39065	39060	39069	39070	39070	39064	39068	39068	39078	39082	39076	39076	39071	39069	39070	39071
25Q	39075	39082	39090	39087	39087	39075	39072	39069	39068	39064	39066	39065	39073	39075	39076	39080	39081	39080	39083	39083	39081	39076	39079	39081
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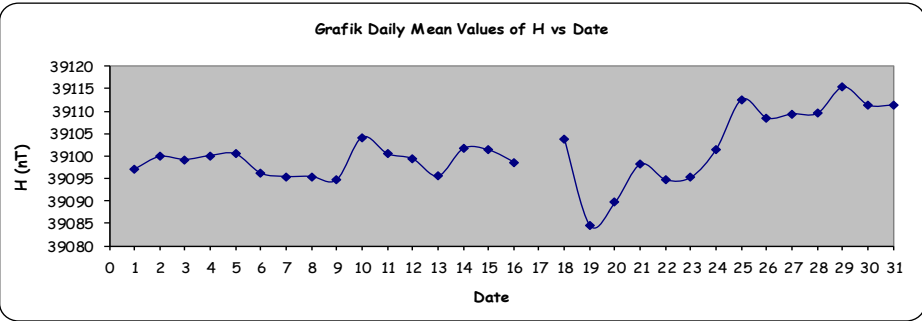
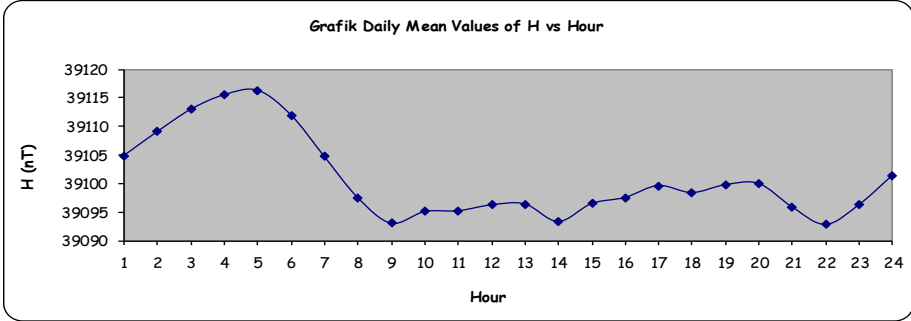


HORIZONTAL (H) COMPONENT
HOURLY MEAN VALUES OF H : 0 + Tabular values in nT

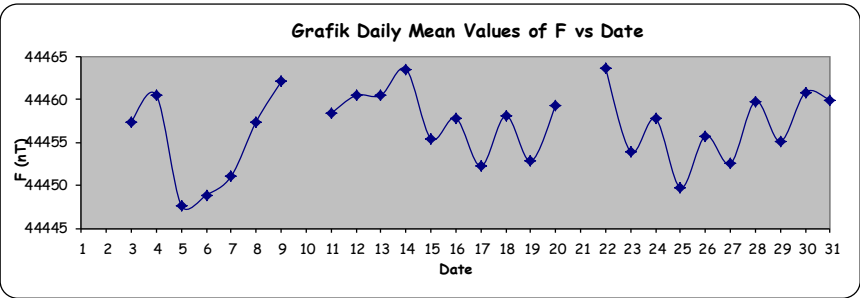
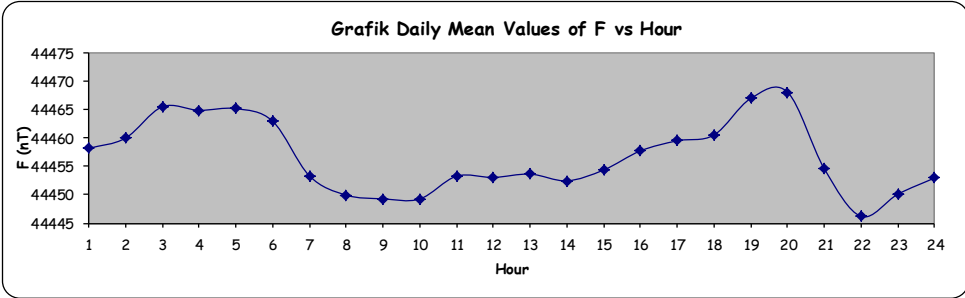
TANGERANG MAGNETIC OBSERVATORY

December-19

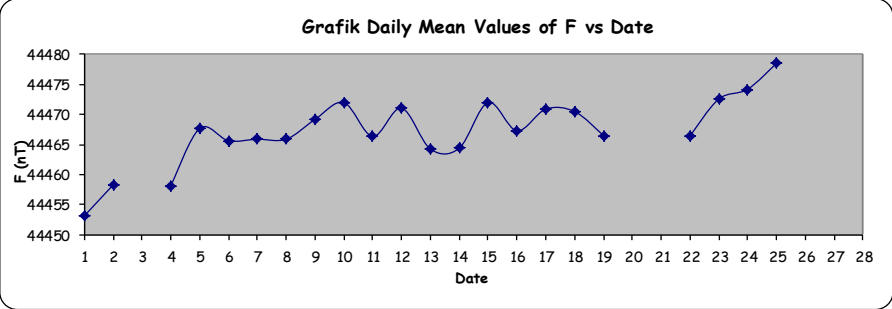
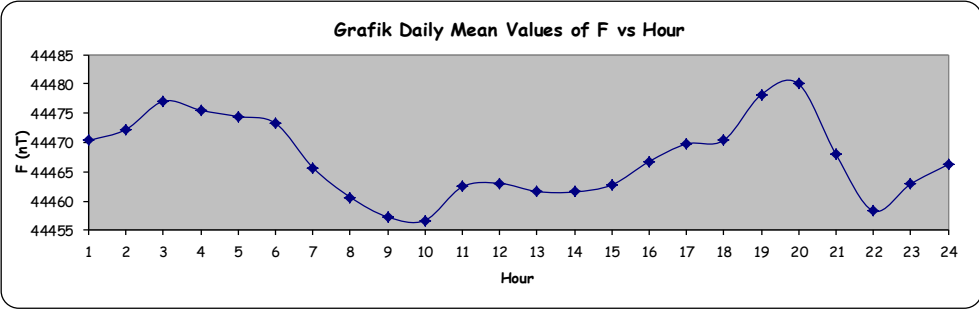
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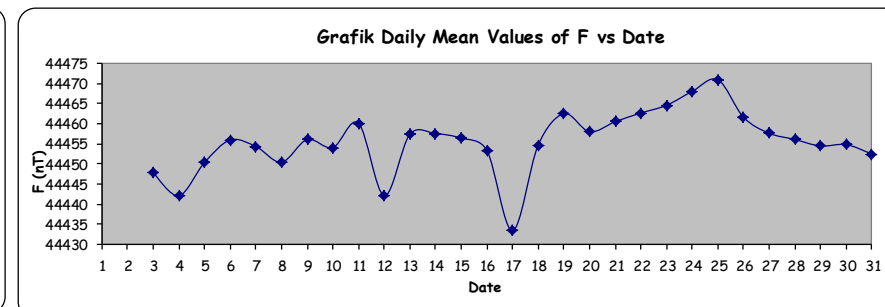
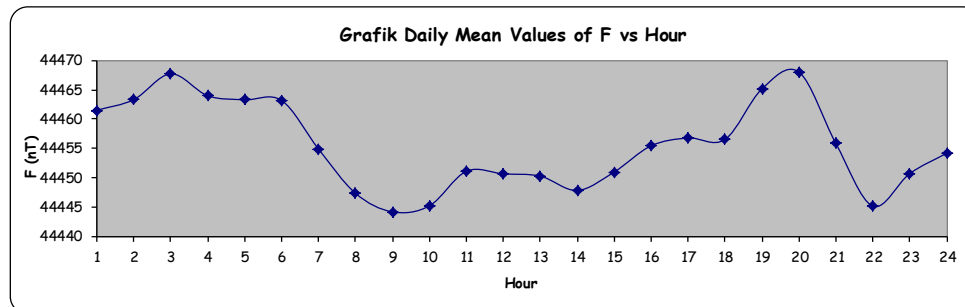
TANGERANG MAGNETIC OBSERVATORY																									January-19
DATE	HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																							MEAN	
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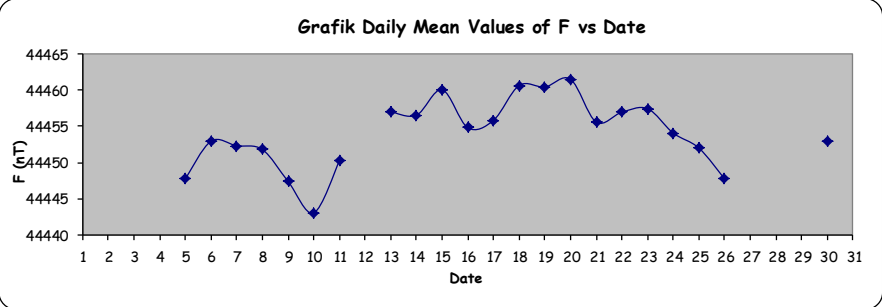
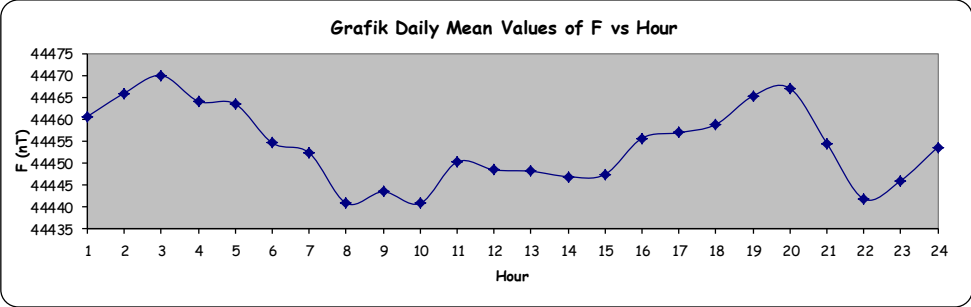
TANGERANG MAGNETIC OBSERVATORY																									February-19
DATE	HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																							MEAN	
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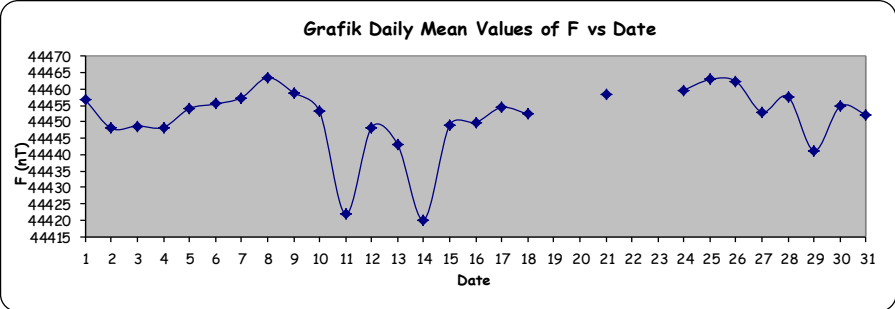
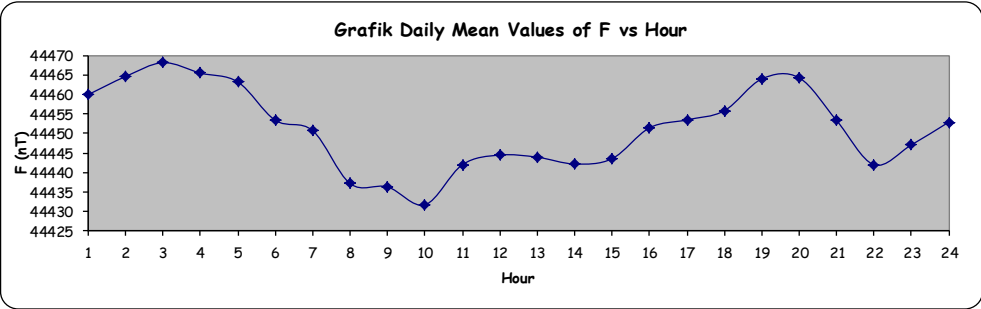
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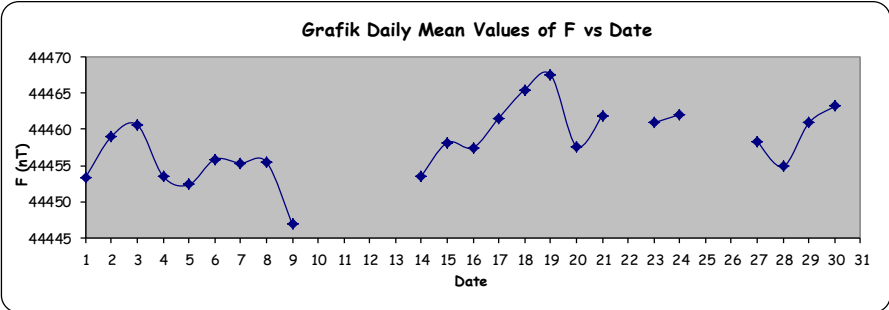
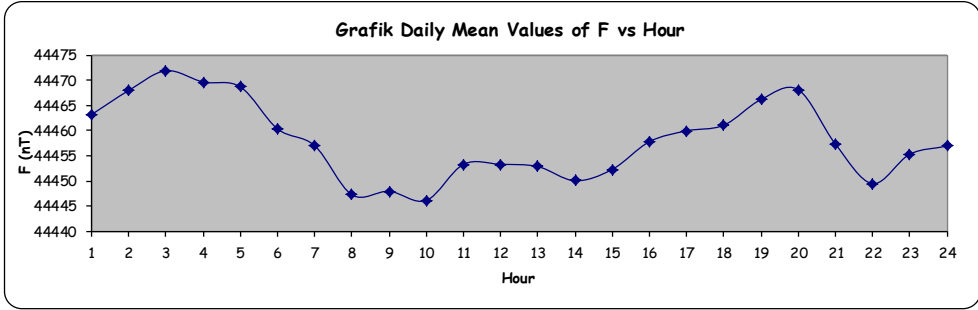
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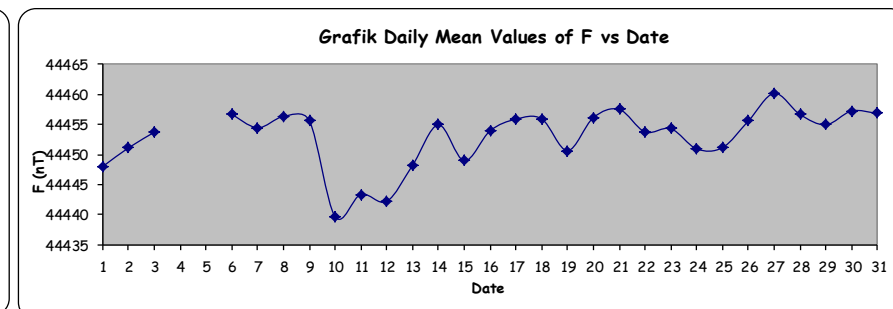
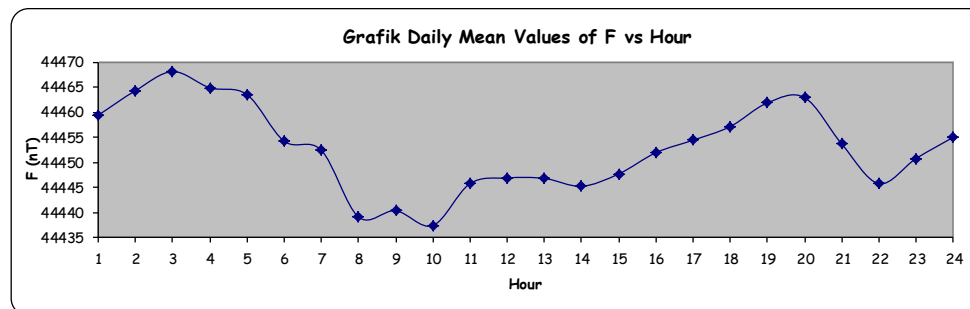
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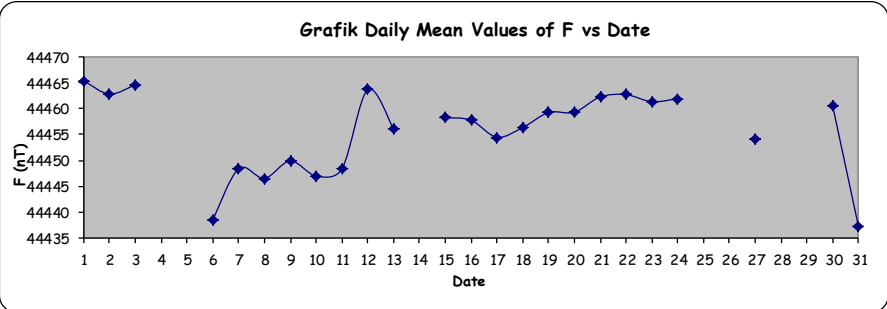
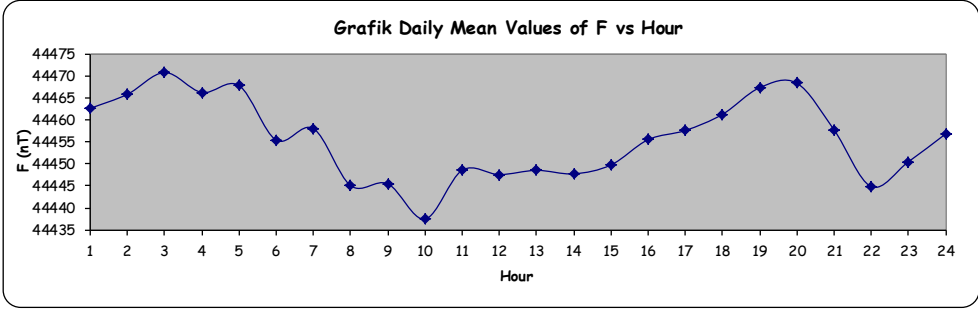
TANGERANG MAGNETIC OBSERVATORY																									June-19
DATE	HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																							MEAN	
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11																									
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25																									
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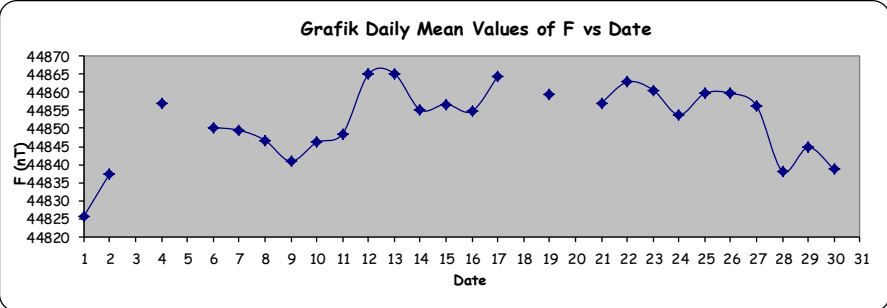
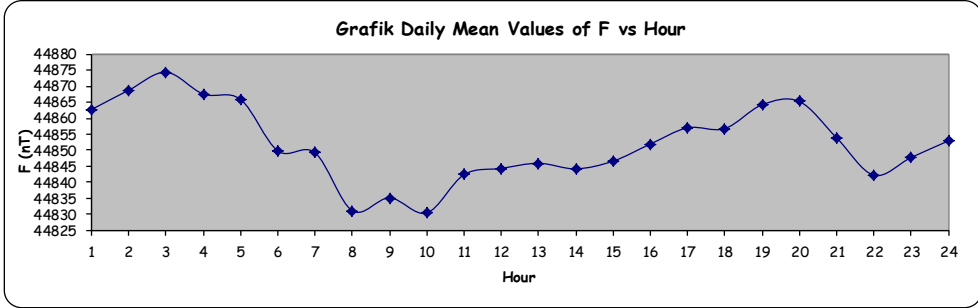
TANGERANG MAGNETIC OBSERVATORY																									July-19
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4																									
5																									
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TOTAL INTENSITY																									
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																									
TANGERANG MAGNETIC OBSERVATORY																									
August-19																									
DATE	HOUR																							MEAN	
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28																									
29																									
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TANGERANG MAGNETIC OBSERVATORY																									September-19
DATE	HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																							MEAN	
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2D	44839	44851	44854	44850	44841	44825	44812	44814	44821	44818	44831	44830	44839	44838	44838	44839	44841	44848	44859	44851	44850	44831	44839	44843	44837
3																									
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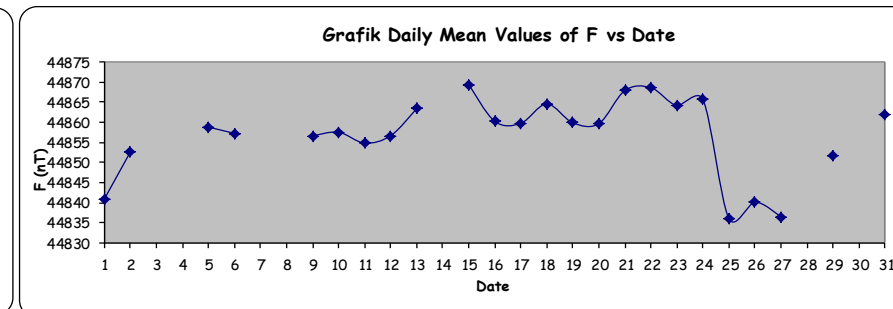
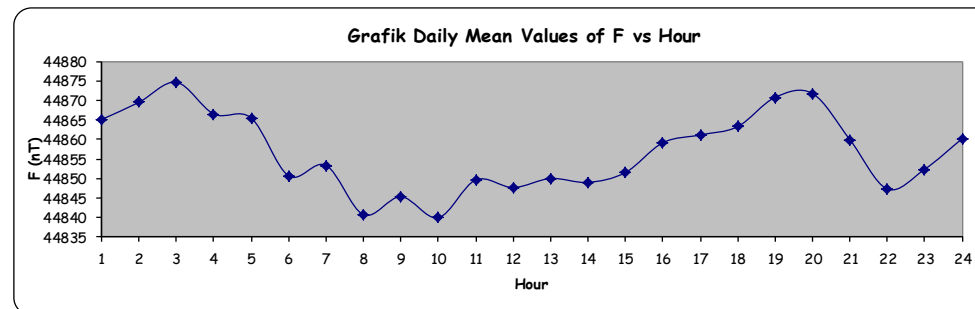


TOTAL INTENSITY
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT

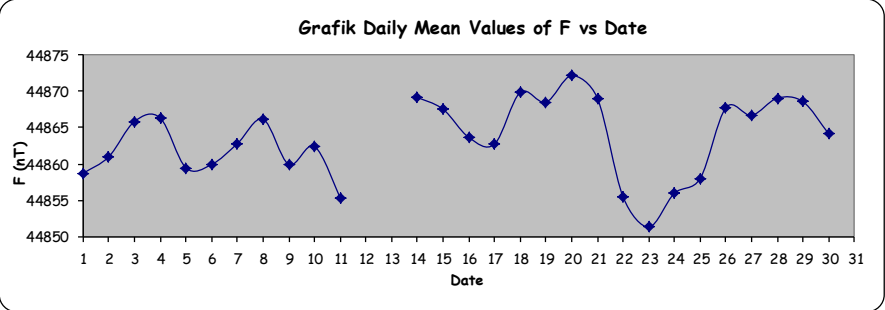
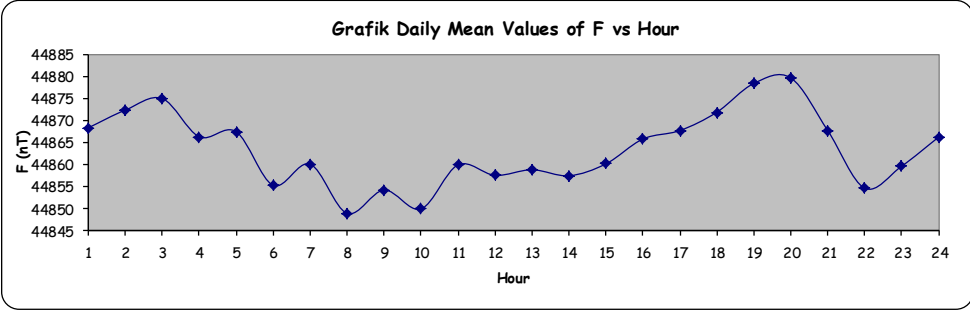
TANGERANG MAGNETIC OBSERVATORY

October-19

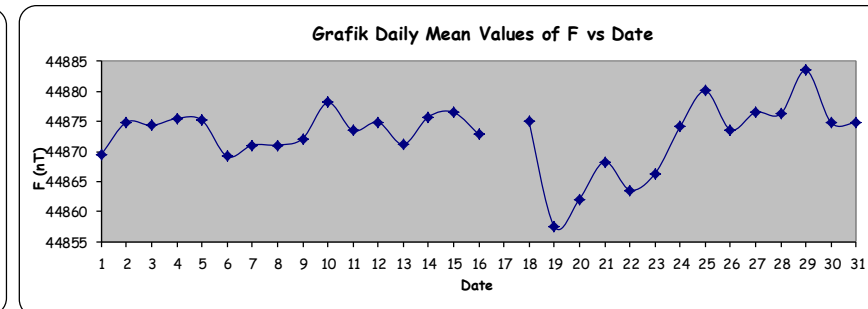
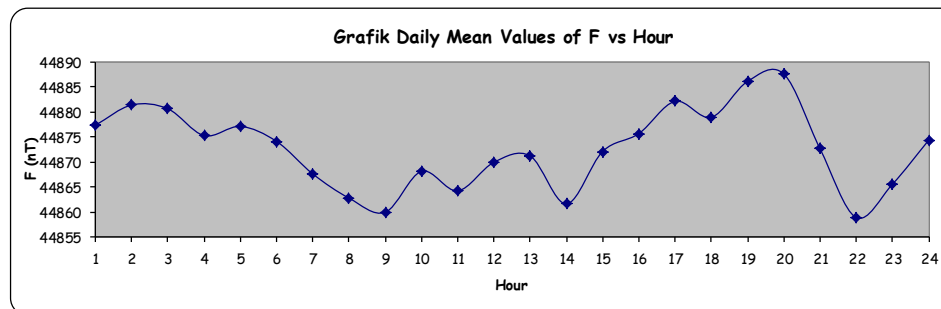
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3																									
4																									
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7																									
8																									
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12Q	44865	44869	44874	44866	44865	44849	44850	44837	44842	44839	44852	44849	44851	44851	44853	44860	44862	44863	44869	44872	44853	44848	44856	44864	44857
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30																									
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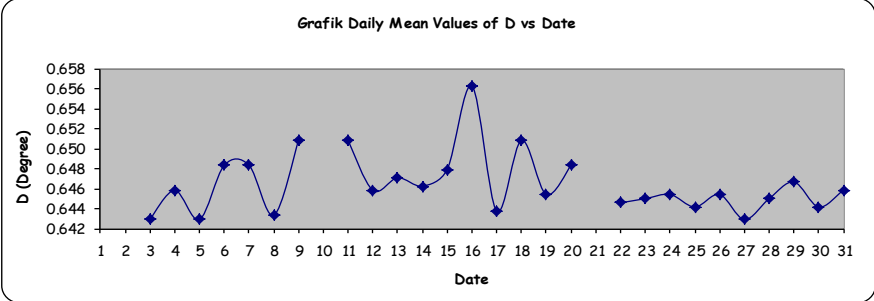
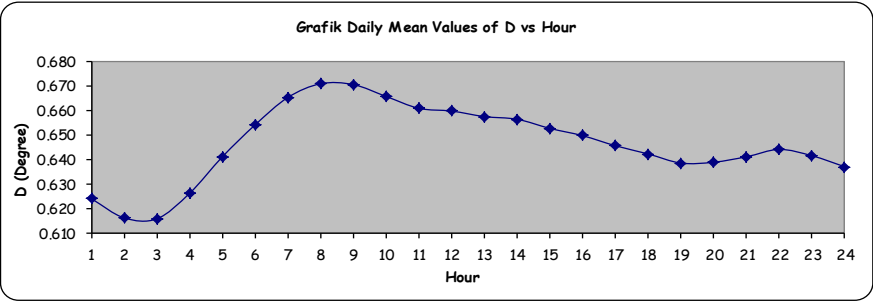
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HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																									
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November-19																									
DATE	HOUR																							MEAN	
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TOTAL INTENSITY																									
HOURLY MEAN VALUES OF F : 0 + Tabular values in nT																									
TANGERANG MAGNETIC OBSERVATORY																									
December-19																									
DATE	HOUR																							MEAN	
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5	44875	44878	44876	44873	44870	44867	44862	44862	44864	44873	44864	44878	44879	44869	44884	44885	44889	44888	44891	44890	44888	44858	44868	44874	44875
6	44876	44877	44877	44864	44860	44854	44855	44852	44855	44866	44864	44872	44872	44861	44873	44875	44880	44881	44886	44885	44871	44860	44866	44878	44869
7	44875	44875	44876	44872	44874	44874	44867	44861	44854	44861	44863	44871	44875	44864	44879	44880	44884	44877	44879	44887	44868	44854	44862	44873	44871
8	44875	44875	44876	44872	44874	44874	44867	44861	44854	44861	44863	44871	44875	44864	44879	44880	44884	44877	44879	44887	44868	44854	44862	44873	44871
9	44873	44878	44880	44871	44874	44875	44866	44858	44858	44864	44863	44869	44870	44864	44872	44876	44882	44876	44884	44889	44875	44865	44871	44879	44872
10	44884	44895	44888	44886	44883	44878	44874	44865	44862	44867	44862	44869	44873	44871	44875	44883	44886	44886	44890	44893	44885	44868	44874	44879	44878
11D	44880	44884	44889	44880	44879	44880	44872	44866	44859	44870	44867	44873	44873	44871	44870	44873	44880	44869	44880	44884	44866	44858	44866	44875	44873
12	44876	44882	44882	44881	44882	44878	44864	44862	44862	44871	44867	44875	44877	44864	44874	44875	44881	44880	44888	44891	44873	44866	44869	44876	44875
13	44878	44882	44881	44872	44871	44866	44860	44855	44855	44862	44860	44869	44871	44865	44874	44875	44877	44877	44886	44886	44873	44862	44871	44880	44871
14	44881	44881	44880	44875	44876	44882	44872	44858	44859	44869	44866	44876	44880	44869	44878	44876	44887	44881	44889	44893	44879	44866	44871	44873	44876
15D	44877	44881	44886	44884	44881	44880	44878	44874	44866	44872	44869	44875	44877	44865	44877	44883	44887	44882	44889	44887	44868	44861	44865	44873	44877
16	44879	44886	44888	44883	44884	44877	44868	44865	44861	44870	44868	44867	44870	44861	44874	44875	44878	44875	44884	44884	44865	44857	44859	44871	44873
17																									
18D	44878	44887	44898	44886	44890	44887	44880	44878	44875	44883	44877	44872	44861	44855	44868	44873	44893	44873	44876	44875	44862	44848	44857	44866	44875
19D	44863	44868	44856	44845	44843	44850	44846	44837	44835	44851	44841	44850	44855	44846	44865	44863	44875	44877	44880	44879	44874	44851	44861	44870	44858
20	44868	44869	44861	44852	44858	44861	44857	44853	44847	44856	44856	44859	44859	44848	44857	44870	44877	44873	44876	44882	44862	44854	44863	44871	44862
21	44871	44871	44872	44876	44889	44886	44873	44865	44856	44861	44861	44857	44855	44847	44858	44867	44874	44879	44884	44886	44874	44851	44856	44869	44868
22	44862	44865	44859	44856	44856	44854	44854	44859	44857	44859	44854	44859	44862	44853	44865	44868	44879	44873	44885	44888	44875	44853	44861	44870	44864
23	44869	44870	44862	44853	44855	44853	44853	44851	44851	44870	44866	44866	44871	44858	44867	44872	44878	44877	44885	44885	44884	44857	44864	44875	44866
24	44879	44882	44875	44869	44870	44867	44862	44865	44864	44870	44867	44874	44875	44865	44880	44882	44883	44879	44888	44889	44887	44868	44866	44873	44874
25	44875	44877	44876	44873	44880	44880	44876	44876	44875	44879	44875	44880	44883	44873	44874	44881	44889	44888	44896	44895	44879	44869	44883	44891	44880
26	44891	44885	44879	44870	44880	44875	44869	44860	44860	44868	44867	44869	44868	44859	44874	44879	44881	44876	44886	44887	44873	44862	44870	44881	44874
27	44885	44889	44890	44889	44891	44885	44878	44873	44866	44873	44862	44866	44869	44859	44873	44873	44881	44878	44887	44889	44872	44862	44870	44877	44877
28Q	44878	44884	44890	44887	44893	44887	44871	44864	44858	44868	44869	44876	44880	44869	44876	44885	44888	44881	44890	44890	44862	44853	44858	44871	44876
29Q	44878	44892	44898	44891	44895	44889	44885	44882	44871	44876	44873	44877	44883	44870	44883	44888	44892	44889	44897	44896	44878	44866	44872	44884	44883
30	44885	44888	44887	44888	44895	44885	44878	44870	44866	44873	44867	44872	44873	44859	44867	44871	44881	44875	44892	44893	44866	44853	44854	44858	44875
31	44885	44888	44887	44888	44895	44885	44878	44870	44866	44873	44867	44872	44873	44859	44867	44871	44881	44875	44892	44893	44866	44853	44854	44858	44875
Mean	44877	44881	44881	44875	44877	44874	44868	44863	44860	44868	44864	44870	44871	44862	44872	44876	44882	44879	44886	44888	44873	44859	44866	44874	44873
Q	44880	44889	44891	44884	44887	44881	44874	44867	44862	44870	44867	44875	44877	44866	44877	44883	44887	44884	44890	44889	44870	44859	44866	44878	44877
D	44874	44880	44882	44874	44873	44874	44869	44864	44859	44869	44863	44867	44867	44859	44870	44873	44884	44875	44881	44881	44868	44855	44862	44871	44871



DECLINATION																									
HOURLY MEAN VALUES OF D : Tabular values in degrees																									
TANGERANG MAGNETIC OBSERVATORY																									
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																									
2																									
3																									
4D	0.620	0.610	0.610	0.640	0.650	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.643
5	0.620	0.630	0.640	0.660	0.660	0.650	0.640	0.660	0.670	0.680	0.670	0.660	0.660	0.670	0.660	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.600	0.646
6	0.600	0.610	0.620	0.640	0.660	0.650	0.640	0.640	0.640	0.650	0.650	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.650	0.650	0.640	0.643
7	0.630	0.620	0.630	0.640	0.660	0.670	0.670	0.660	0.660	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.640	0.640	0.630	0.648
8	0.620	0.610	0.620	0.630	0.650	0.670	0.680	0.680	0.680	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.648
9	0.620	0.600	0.600	0.610	0.630	0.660	0.680	0.680	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.643
10	0.630	0.620	0.620	0.630	0.650	0.660	0.670	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.650	0.650	0.651
11																									
12	0.620	0.610	0.610	0.630	0.640	0.650	0.670	0.680	0.680	0.670	0.660	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.651
13	0.620	0.630	0.640	0.660	0.660	0.650	0.640	0.660	0.670	0.680	0.670	0.660	0.660	0.670	0.660	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.600	0.646
14	0.630	0.620	0.610	0.620	0.630	0.650	0.670	0.680	0.670	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.630	0.620	0.647
15	0.610	0.590	0.590	0.610	0.620	0.650	0.680	0.690	0.690	0.680	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.640	0.640	0.646
16	0.630	0.620	0.620	0.620	0.630	0.650	0.670	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.648
17D	0.630	0.620	0.620	0.640	0.660	0.680	0.700	0.700	0.680	0.670	0.660	0.660	0.670	0.670	0.660	0.650	0.650	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.656
18	0.640	0.630	0.620	0.620	0.630	0.630	0.630	0.640	0.660	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.640	0.644
19	0.620	0.630	0.630	0.640	0.650	0.670	0.680	0.680	0.680	0.680	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.651
20	0.630	0.640	0.650	0.650	0.650	0.640	0.650	0.640	0.650	0.650	0.650	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.645
21	0.620	0.600	0.610	0.640	0.670	0.680	0.690	0.680	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.630	0.648
22																									
23	0.610	0.600	0.590	0.600	0.640	0.670	0.680	0.680	0.670	0.660	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.650	0.650	0.630	0.645
24D	0.610	0.600	0.600	0.610	0.630	0.660	0.680	0.680	0.670	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.645
25	0.620	0.610	0.600	0.610	0.640	0.670	0.680	0.690	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.620	0.620	0.640	0.640	0.650	0.650	0.645
26	0.620	0.600	0.610	0.610	0.630	0.650	0.660	0.670	0.680	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.644
27Q	0.640	0.620	0.600	0.600	0.620	0.640	0.660	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.645
28Q	0.630	0.630	0.630	0.630	0.620	0.630	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.643
29Q	0.640	0.630	0.610	0.610	0.620	0.630	0.650	0.670	0.670	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.645
30Q	0.630	0.620	0.620	0.620	0.640	0.650	0.660	0.660	0.670	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.650	0.640	0.647
31D	0.630	0.620	0.620	0.630	0.640	0.650	0.660	0.660	0.660	0.660	0.650	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.644
31D	0.630	0.620	0.610	0.610	0.630	0.650	0.670	0.680	0.680	0.670	0.670	0.670	0.660	0.650	0.650	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.646
Mean	0.624	0.616	0.616	0.626	0.641	0.654	0.665	0.671	0.670	0.666	0.661	0.660	0.657	0.656	0.653	0.650	0.646	0.642	0.639	0.639	0.641	0.644	0.641	0.637	0.646
Q	0.633	0.625	0.620	0.623	0.630	0.640	0.653	0.660	0.665	0.665	0.658	0.658	0.655	0.650	0.650	0.648	0.645	0.643	0.640	0.640	0.640	0.648	0.645	0.643	0.645
D	0.628	0.623	0.618	0.625	0.640	0.650	0.655	0.668	0.670	0.670	0.668	0.663	0.660	0.658	0.653	0.648	0.640	0.640	0.630	0.633	0.640	0.640	0.638	0.633	0.645

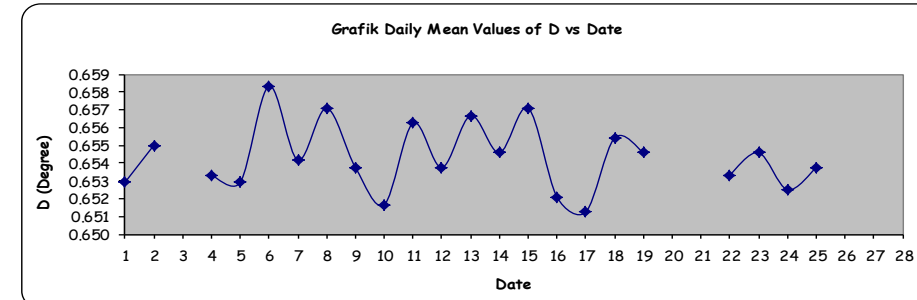
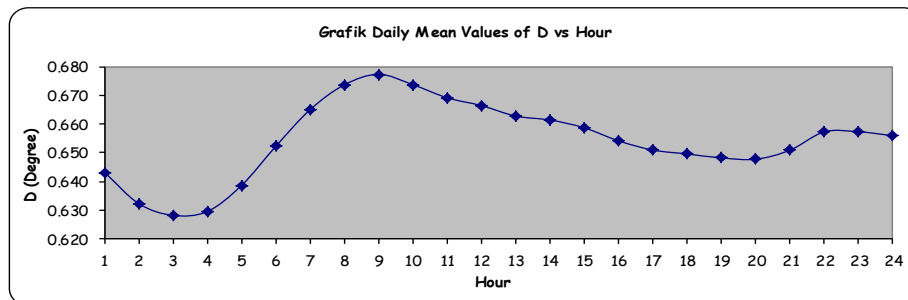


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

February-19

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	0.620	0.610	0.610	0.620	0.630	0.660	0.670	0.690	0.690	0.670	0.660	0.670	0.670	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.650	0.653
2D	0.650	0.650	0.630	0.630	0.640	0.650	0.660	0.680	0.680	0.670	0.670	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.650	0.660	0.660	0.650	0.655
3																									
4	0.640	0.630	0.630	0.630	0.640	0.650	0.660	0.670	0.680	0.670	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.650	0.660	0.660	0.660	0.650	0.653
5	0.630	0.610	0.620	0.630	0.640	0.650	0.670	0.680	0.690	0.680	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.650	0.660	0.660	0.650	0.653
6D	0.630	0.600	0.590	0.620	0.650	0.670	0.690	0.700	0.700	0.690	0.680	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.670	0.670	0.670	0.658
7	0.650	0.640	0.630	0.620	0.630	0.650	0.670	0.670	0.680	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.654
8	0.650	0.630	0.630	0.620	0.640	0.660	0.670	0.670	0.670	0.680	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.670	0.670	0.680	0.657
9	0.650	0.640	0.630	0.630	0.640	0.650	0.670	0.680	0.680	0.670	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.650	0.650	0.650	0.650	0.654
10	0.640	0.620	0.610	0.610	0.620	0.640	0.650	0.670	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.680	0.652
11D	0.670	0.660	0.640	0.630	0.630	0.650	0.660	0.660	0.660	0.670	0.670	0.670	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.656
12	0.640	0.630	0.620	0.620	0.630	0.650	0.660	0.670	0.670	0.670	0.670	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.654
13	0.650	0.640	0.640	0.640	0.650	0.650	0.670	0.680	0.680	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.650	0.640	0.650	0.650	0.650	0.650	0.650	0.650	0.657
14	0.640	0.630	0.640	0.630	0.640	0.650	0.670	0.670	0.680	0.680	0.670	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.650	0.650	0.650	0.655
15	0.640	0.640	0.640	0.650	0.650	0.660	0.670	0.670	0.670	0.670	0.670	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.660	0.660	0.650	0.657
16Q	0.640	0.640	0.640	0.640	0.650	0.660	0.670	0.670	0.660	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.650	0.650	0.650	0.640	0.652
17	0.630	0.620	0.630	0.630	0.640	0.650	0.660	0.670	0.670	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.651
18	0.640	0.640	0.630	0.630	0.640	0.660	0.670	0.680	0.690	0.680	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.650	0.650	0.655
19Q	0.640	0.630	0.620	0.630	0.640	0.650	0.660	0.680	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.655
20																									
21																									
22	0.640	0.620	0.620	0.630	0.640	0.660	0.670	0.680	0.680	0.670	0.660	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.653
23Q	0.650	0.630	0.630	0.640	0.640	0.640	0.650	0.660	0.670	0.670	0.670	0.670	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.655
24Q	0.660	0.650	0.640	0.630	0.630	0.640	0.650	0.660	0.670	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.653
25	0.650	0.650	0.650	0.640	0.640	0.650	0.660	0.660	0.670	0.670	0.670	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.650	0.650	0.650	0.654
26																									
27																									
28																									
Mean	0.643	0.632	0.628	0.630	0.639	0.652	0.665	0.674	0.677	0.674	0.669	0.666	0.663	0.661	0.659	0.654	0.651	0.650	0.648	0.648	0.651	0.657	0.657	0.656	0.654
Q	0.648	0.638	0.633	0.635	0.640	0.648	0.658	0.668	0.670	0.670	0.668	0.663	0.663	0.663	0.660	0.655	0.650	0.650	0.648	0.648	0.650	0.655	0.655	0.653	0.653
D	0.643	0.630	0.618	0.625	0.638	0.658	0.670	0.683	0.683	0.675	0.670	0.670	0.670	0.665	0.660	0.650	0.650	0.650	0.648	0.648	0.653	0.663	0.663	0.658	0.656

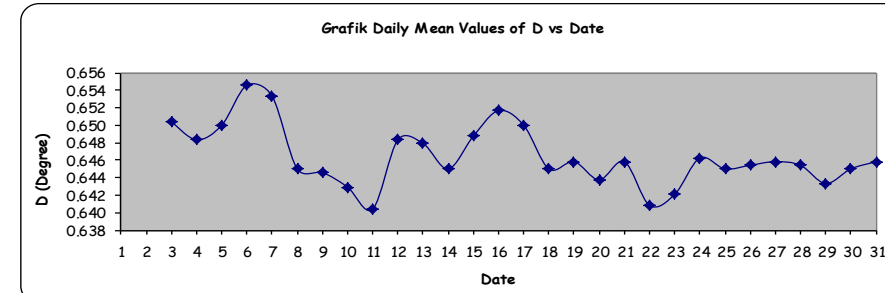
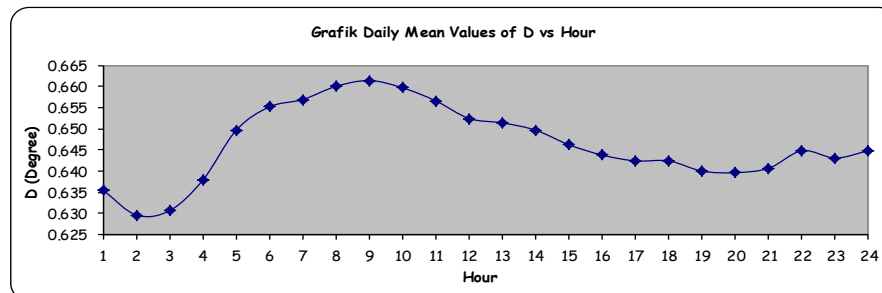


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

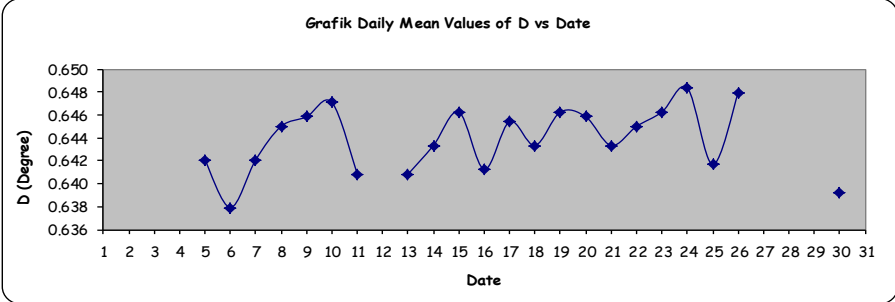
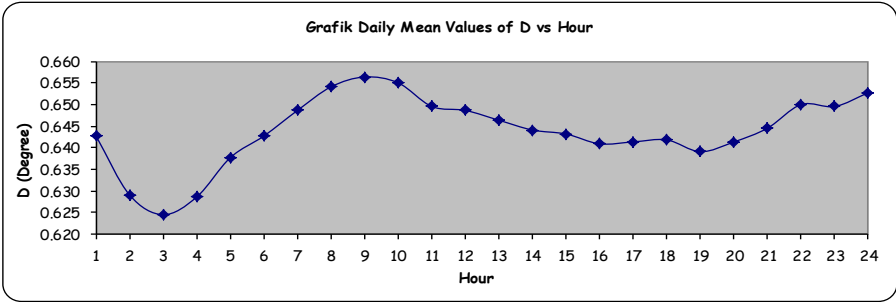
TANGERANG MAGNETIC OBSERVATORY

March-19

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																									
2																									
3	0.640	0.640	0.630	0.630	0.650	0.660	0.660	0.660	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.650	0.660	0.650
4	0.650	0.630	0.630	0.630	0.650	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.648
5	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.650	0.650	0.650
6	0.650	0.660	0.670	0.680	0.680	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.640	0.655
7D	0.640	0.650	0.660	0.670	0.670	0.680	0.680	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.640	0.640	0.650	0.650	0.650	0.640	0.653
8	0.640	0.630	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.640	0.640	0.640	0.650	0.650	0.640	0.645
9D	0.630	0.630	0.630	0.630	0.640	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.645
10	0.640	0.630	0.620	0.620	0.630	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.643
11	0.620	0.600	0.610	0.620	0.640	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640
12	0.650	0.630	0.630	0.630	0.650	0.660	0.660	0.660	0.660	0.660	0.650	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.648
13	0.640	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.648
14D	0.630	0.620	0.630	0.640	0.640	0.660	0.660	0.660	0.660	0.660	0.650	0.660	0.650	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.645
15	0.650	0.640	0.630	0.640	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.649
16D	0.650	0.640	0.640	0.650	0.650	0.660	0.660	0.670	0.670	0.670	0.670	0.660	0.650	0.650	0.640	0.650	0.640	0.650	0.640	0.640	0.640	0.650	0.640	0.660	0.652
17	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.660	0.670	0.680	0.680	0.670	0.660	0.660	0.650	0.640	0.640	0.640	0.630	0.630	0.640	0.640	0.630	0.640	0.650
18Q	0.630	0.630	0.640	0.640	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.630	0.630	0.640	0.640	0.630	0.640	0.645
19	0.610	0.610	0.620	0.640	0.650	0.650	0.650	0.660	0.660	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.646
20	0.630	0.620	0.620	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.644
21Q	0.620	0.620	0.630	0.650	0.670	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.630	0.646
22Q	0.610	0.600	0.600	0.620	0.640	0.650	0.650	0.660	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.641
23Q	0.620	0.610	0.620	0.630	0.640	0.650	0.650	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.642
24	0.630	0.630	0.630	0.640	0.650	0.650	0.660	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.646
25	0.640	0.630	0.630	0.630	0.630	0.640	0.650	0.660	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.645
26	0.630	0.630	0.620	0.630	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.645
27	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.670	0.670	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.646
28	0.640	0.630	0.630	0.630	0.640	0.650	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.645
29	0.640	0.620	0.600	0.610	0.650	0.660	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.640	0.643
30	0.630	0.620	0.620	0.640	0.670	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.645
31	0.630	0.620	0.620	0.630	0.660	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.646
Mean	0.636	0.630	0.631	0.638	0.650	0.655	0.657	0.660	0.661	0.660	0.657	0.652	0.651	0.650	0.646	0.644	0.642	0.642	0.640	0.640	0.641	0.645	0.643	0.645	0.646
Q	0.620	0.615	0.623	0.635	0.650	0.655	0.653	0.658	0.663	0.663	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.638	0.633	0.643
D	0.638	0.635	0.640	0.648	0.650	0.663	0.665	0.665	0.663	0.660	0.658	0.653	0.653	0.650	0.643	0.645	0.640	0.645	0.640	0.640	0.643	0.645	0.643	0.648	0.649



DECLINATION																									
HOURLY MEAN VALUES OF D : Tabular values in degrees																									
TANGERANG MAGNETIC OBSERVATORY																									
DATE	April-19																							MEAN	
	HOUR																								
	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																									
2																									
3																									
4																									
5D	0.630	0.620	0.620	0.630	0.650	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.650	0.650	0.650	0.642
6	0.630	0.620	0.620	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.638
7	0.640	0.630	0.630	0.630	0.640	0.650	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.642
8D	0.640	0.630	0.620	0.630	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.630	0.640	0.640	0.650	0.650	0.660	0.645
9	0.640	0.630	0.630	0.640	0.650	0.650	0.660	0.670	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.646
10D	0.630	0.620	0.630	0.660	0.670	0.670	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.647
11	0.630	0.620	0.610	0.620	0.640	0.640	0.650	0.650	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.641
12																									
13	0.650	0.630	0.620	0.620	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.641
14	0.630	0.620	0.630	0.640	0.640	0.640	0.640	0.640	0.650	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.643
15	0.660	0.650	0.640	0.650	0.650	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.646
16	0.640	0.620	0.610	0.620	0.620	0.630	0.640	0.640	0.650	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.641
17	0.640	0.630	0.630	0.630	0.630	0.630	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.640	0.650	0.650	0.650	0.650	0.660	0.645
18Q	0.640	0.620	0.610	0.620	0.630	0.640	0.640	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.650	0.650	0.640	0.640	0.650	0.650	0.660	0.660	0.643
19	0.650	0.630	0.630	0.620	0.640	0.650	0.660	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.646
20Q	0.640	0.630	0.630	0.640	0.650	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.640	0.650	0.650	0.650	0.646
21Q	0.640	0.620	0.620	0.620	0.630	0.630	0.650	0.660	0.670	0.670	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.650	0.650	0.650	0.650	0.643
22Q	0.650	0.630	0.630	0.630	0.630	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.645
23D	0.640	0.630	0.620	0.620	0.630	0.640	0.650	0.670	0.680	0.670	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.630	0.640	0.650	0.650	0.640	0.670	0.646
24	0.670	0.650	0.640	0.630	0.630	0.640	0.640	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.648
25	0.660	0.650	0.630	0.620	0.610	0.610	0.620	0.640	0.650	0.660	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.642
26	0.650	0.630	0.620	0.620	0.630	0.640	0.660	0.660	0.660	0.660	0.650	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.650	0.650	0.660	0.660	0.660	0.648
27																									
28																									
29																									
30	0.640	0.630	0.620	0.610	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.650	0.639
Mean	0.643	0.629	0.625	0.629	0.638	0.643	0.649	0.654	0.656	0.655	0.650	0.649	0.646	0.644	0.643	0.641	0.641	0.642	0.639	0.641	0.645	0.650	0.650	0.653	0.644
Q	0.643	0.625	0.623	0.628	0.635	0.643	0.650	0.658	0.660	0.658	0.650	0.650	0.645	0.645	0.645	0.640	0.643	0.648	0.640	0.640	0.645	0.650	0.653	0.653	0.644
D	0.635	0.625	0.623	0.635	0.653	0.658	0.658	0.660	0.660	0.655	0.650	0.648	0.648	0.643	0.643	0.640	0.640	0.640	0.635	0.643	0.643	0.650	0.648	0.655	0.645

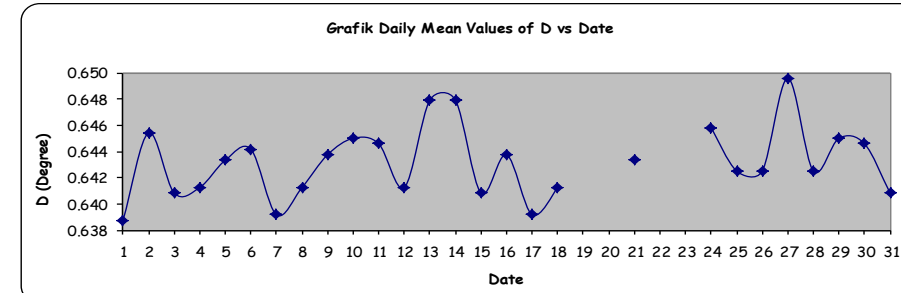
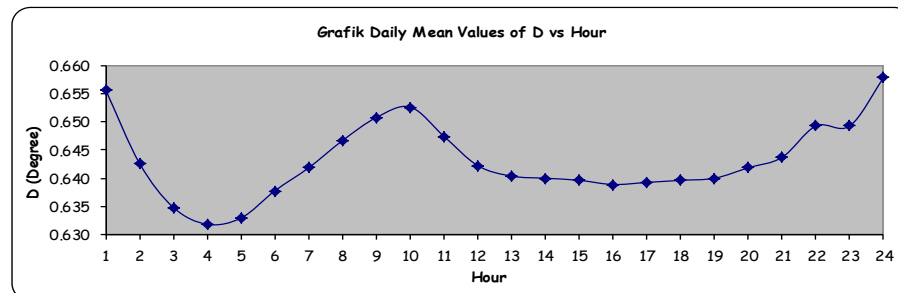


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

May-19

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	0.640	0.620	0.620	0.620	0.620	0.630	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.639
2D	0.650	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.645
3	0.640	0.620	0.610	0.620	0.630	0.630	0.640	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.650	0.660	0.641
4	0.650	0.630	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.660	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.660	0.641
5Q	0.660	0.640	0.630	0.630	0.630	0.630	0.640	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.670	0.643
6	0.660	0.640	0.620	0.630	0.630	0.640	0.640	0.650	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.644
7	0.650	0.630	0.620	0.620	0.620	0.620	0.630	0.630	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.639
8	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.641
9	0.650	0.630	0.620	0.620	0.630	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.644
10	0.660	0.640	0.630	0.630	0.630	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.670	0.660	0.680	0.645
11D	0.680	0.670	0.660	0.650	0.640	0.630	0.630	0.640	0.660	0.670	0.660	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.640	0.650	0.645
12Q	0.650	0.630	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.660	0.640	0.640	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.640	0.640	0.640	0.650	0.660	0.641
13	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.648
14	0.650	0.640	0.630	0.630	0.640	0.680	0.680	0.670	0.670	0.660	0.660	0.650	0.640	0.630	0.630	0.630	0.630	0.640	0.660	0.650	0.650	0.650	0.650	0.650	0.648
15	0.640	0.630	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.641
16	0.650	0.630	0.630	0.620	0.630	0.640	0.650	0.670	0.670	0.660	0.650	0.650	0.640	0.650	0.640	0.640	0.640	0.640	0.630	0.640	0.630	0.650	0.650	0.650	0.644
17	0.650	0.640	0.630	0.620	0.620	0.620	0.620	0.640	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.639
18	0.650	0.640	0.630	0.620	0.630	0.640	0.640	0.640	0.650	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.650	0.641
19																									
20																									
21Q	0.670	0.660	0.650	0.640	0.630	0.630	0.630	0.630	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.643
22																									
23																									
24	0.670	0.660	0.650	0.630	0.630	0.630	0.650	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.646
25Q	0.660	0.650	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.643
26	0.650	0.640	0.630	0.630	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.643
27	0.650	0.650	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.660	0.660	0.650	0.660	0.650
28	0.660	0.650	0.640	0.630	0.620	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.670	0.643
29D	0.670	0.660	0.650	0.650	0.650	0.650	0.640	0.630	0.640	0.640	0.650	0.640	0.640	0.640	0.640	0.630	0.630	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.645
30	0.670	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.645
31	0.660	0.650	0.640	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.650	0.641
Mean	0.656	0.643	0.635	0.632	0.633	0.638	0.642	0.647	0.651	0.653	0.647	0.642	0.640	0.640	0.640	0.639	0.639	0.640	0.640	0.642	0.644	0.649	0.649	0.658	0.643
Q	0.660	0.645	0.635	0.633	0.630	0.635	0.640	0.643	0.645	0.653	0.645	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.643	0.648	0.650	0.660	0.643
D	0.660	0.648	0.643	0.640	0.640	0.640	0.640	0.643	0.653	0.655	0.653	0.643	0.643	0.640	0.640	0.635	0.635	0.638	0.638	0.638	0.640	0.643	0.645	0.655	0.643

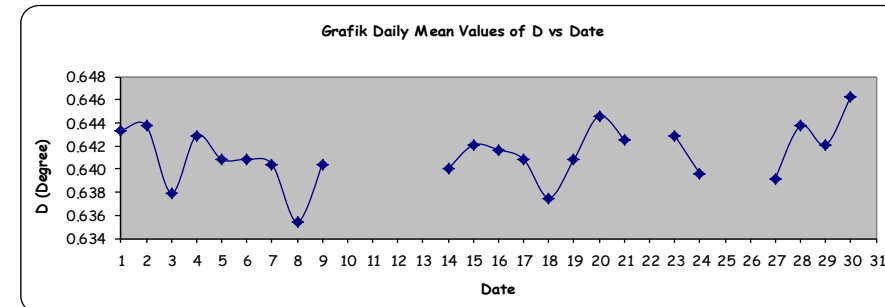
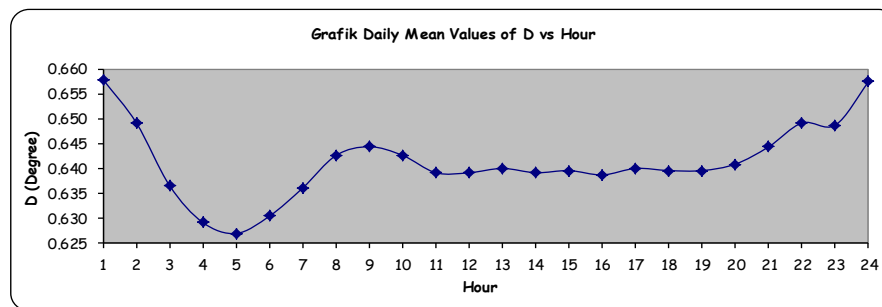


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

June-19

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	0.650	0.650	0.640	0.630	0.630	0.640	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.643
2Q	0.670	0.660	0.640	0.630	0.630	0.630	0.630	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.644
3	0.650	0.640	0.630	0.620	0.610	0.620	0.630	0.650	0.650	0.640	0.640	0.630	0.640	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.638
4D	0.670	0.650	0.630	0.630	0.620	0.630	0.650	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.660	0.643
5	0.660	0.650	0.640	0.630	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.641
6Q	0.650	0.640	0.630	0.630	0.630	0.630	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.641
7	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.640
8D	0.660	0.650	0.640	0.630	0.620	0.610	0.610	0.620	0.630	0.630	0.620	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.630	0.640	0.640	0.660	0.650	0.660	0.635
9D	0.650	0.640	0.640	0.640	0.630	0.630	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.640
10																									
11																									
12																									
13																									
14D	0.660	0.650	0.620	0.610	0.620	0.620	0.630	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.640
15	0.660	0.660	0.650	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.642
16Q	0.660	0.650	0.640	0.630	0.630	0.630	0.650	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.642
17	0.670	0.650	0.640	0.640	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.640	0.630	0.630	0.640	0.640	0.650	0.650	0.660	0.641
18	0.660	0.650	0.630	0.620	0.610	0.620	0.630	0.630	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.660	0.638
19	0.660	0.650	0.640	0.630	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.641
20	0.660	0.660	0.650	0.640	0.640	0.630	0.640	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.645
21	0.660	0.650	0.640	0.640	0.630	0.630	0.630	0.640	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.643
22																									
23	0.660	0.660	0.650	0.640	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.643
24	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.640
25																									
26																									
27	0.650	0.640	0.630	0.620	0.620	0.620	0.630	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.639
28	0.650	0.650	0.630	0.630	0.630	0.640	0.640	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.650	0.660	0.644
29Q	0.660	0.640	0.620	0.600	0.610	0.630	0.650	0.660	0.660	0.660	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.642
30	0.660	0.650	0.640	0.630	0.640	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.646
Mean	0.658	0.649	0.637	0.629	0.627	0.630	0.636	0.643	0.644	0.643	0.639	0.639	0.640	0.639	0.640	0.639	0.640	0.640	0.640	0.641	0.644	0.649	0.649	0.657	0.641
Q	0.660	0.648	0.633	0.623	0.625	0.630	0.643	0.650	0.650	0.645	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.643	0.645	0.650	0.650	0.658	0.642
D	0.660	0.648	0.633	0.628	0.623	0.623	0.633	0.643	0.643	0.640	0.635	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.638	0.640	0.640	0.648	0.645	0.658	0.640

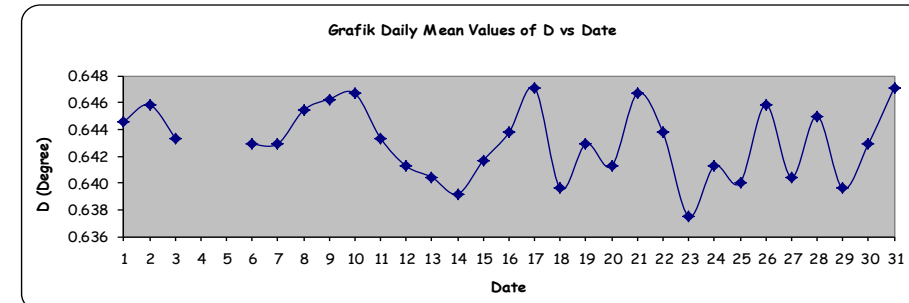
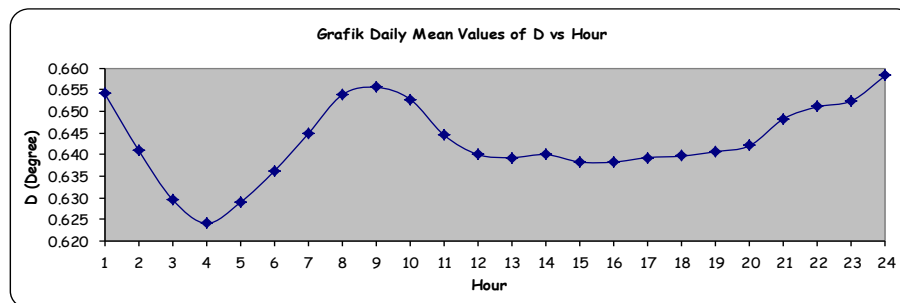


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

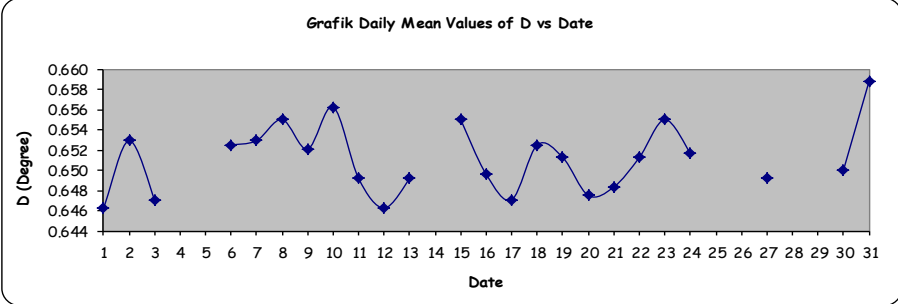
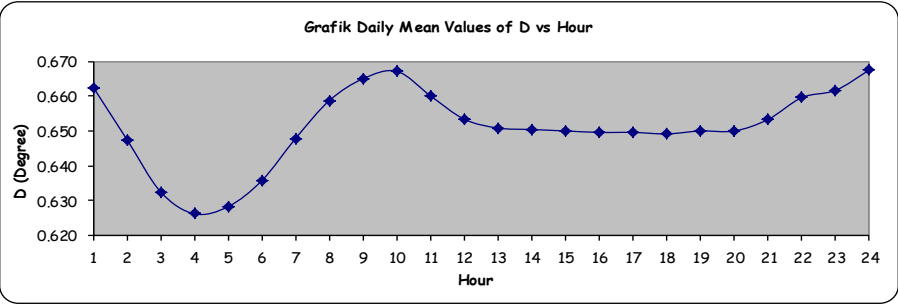
TANGERANG MAGNETIC OBSERVATORY

July-19

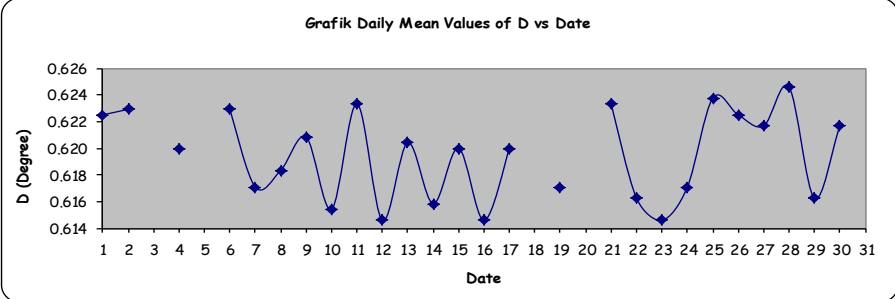
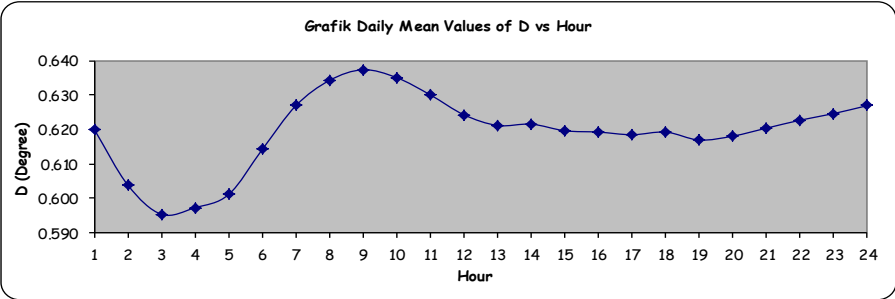
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	0.660	0.640	0.630	0.630	0.640	0.640	0.650	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.630	0.640	0.630	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.645
2	0.660	0.640	0.630	0.630	0.640	0.640	0.650	0.660	0.660	0.660	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.660	0.660	0.646
3	0.650	0.640	0.620	0.620	0.630	0.640	0.640	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.643
4																									
5																									
6Q	0.650	0.640	0.640	0.630	0.640	0.640	0.650	0.650	0.650	0.650	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.643
7	0.640	0.640	0.640	0.640	0.640	0.630	0.630	0.640	0.650	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.643
8	0.660	0.650	0.640	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.660	0.660	0.660	0.645
9D	0.650	0.650	0.640	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.640	0.640	0.640	0.640	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.650	0.660
10D	0.660	0.640	0.630	0.630	0.640	0.660	0.670	0.670	0.670	0.670	0.660	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.640	0.640	0.640	0.650	0.650	0.660
11D	0.670	0.660	0.650	0.640	0.630	0.640	0.640	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.643
12	0.650	0.640	0.630	0.610	0.610	0.620	0.640	0.650	0.660	0.670	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.641
13	0.650	0.640	0.630	0.620	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.640
14	0.650	0.630	0.610	0.600	0.610	0.630	0.640	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.639
15	0.650	0.630	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.642
16	0.650	0.630	0.620	0.630	0.640	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.644
17	0.660	0.650	0.640	0.650	0.650	0.660	0.650	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.647
18	0.650	0.630	0.610	0.610	0.630	0.630	0.640	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640
19Q	0.650	0.630	0.610	0.610	0.620	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.643
20Q	0.650	0.640	0.630	0.620	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.641
21	0.670	0.650	0.640	0.630	0.620	0.630	0.640	0.650	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.650	0.660	0.660	0.670	0.647
22	0.660	0.640	0.620	0.610	0.610	0.630	0.660	0.670	0.670	0.670	0.650	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.644
23	0.650	0.640	0.620	0.610	0.610	0.620	0.620	0.640	0.650	0.650	0.640	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.638
24	0.650	0.640	0.630	0.620	0.620	0.630	0.640	0.650	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.641
25	0.640	0.630	0.620	0.610	0.620	0.630	0.640	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.640
26Q	0.660	0.650	0.640	0.630	0.630	0.630	0.650	0.650	0.660	0.660	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.650	0.660	0.646
27	0.650	0.640	0.630	0.620	0.630	0.630	0.640	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.640
28	0.650	0.640	0.640	0.640	0.650	0.650	0.650	0.660	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.630	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.645
29	0.650	0.640	0.620	0.610	0.620	0.620	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.640
30D	0.650	0.630	0.620	0.610	0.620	0.630	0.640	0.650	0.660	0.660	0.650	0.650	0.640	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.640	0.650	0.660	0.650	0.643
31	0.680	0.670	0.660	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.650	0.650	0.660	0.650	0.650	0.647
Mean	0.654	0.641	0.630	0.624	0.629	0.636	0.645	0.654	0.656	0.653	0.644	0.640	0.639	0.640	0.638	0.638	0.639	0.640	0.641	0.642	0.648	0.651	0.652	0.658	0.643
Q	0.653	0.640	0.630	0.623	0.628	0.633	0.645	0.650	0.655	0.655	0.648	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.643	0.643	0.643	0.650	0.655	0.660	0.643
D	0.658	0.645	0.635	0.633	0.635	0.645	0.653	0.660	0.660	0.658	0.648	0.643	0.640	0.643	0.633	0.633	0.638	0.638	0.643	0.640	0.645	0.648	0.650	0.658	0.645



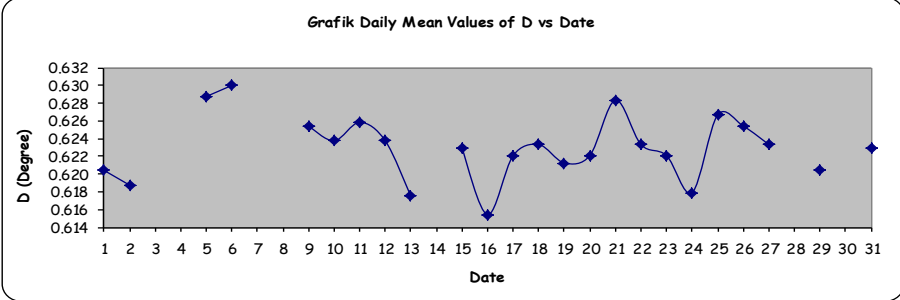
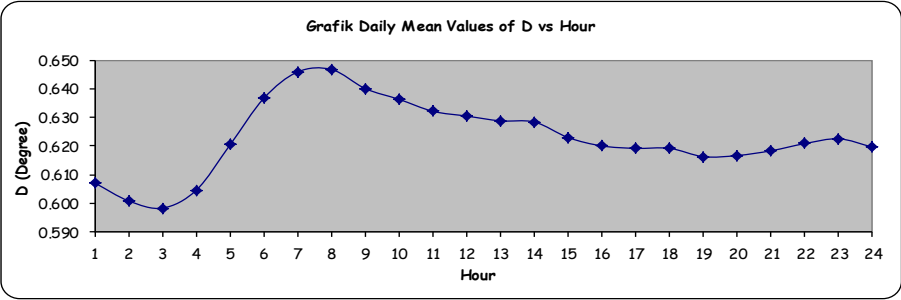
DECLINATION																										
HOURLY MEAN VALUES OF D : Tabular values in degrees																										
TANGERANG MAGNETIC OBSERVATORY																										
DATE	HOUR																							August-19		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
1	0.660	0.640	0.620	0.610	0.620	0.630	0.630	0.640	0.650	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.670	0.660	0.646	
2Q	0.660	0.630	0.620	0.630	0.640	0.660	0.680	0.680	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.653	
3Q	0.650	0.640	0.620	0.610	0.620	0.620	0.640	0.650	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.647	
4																										
5																										
6D	0.670	0.660	0.640	0.620	0.610	0.630	0.640	0.660	0.670	0.680	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.653	
7	0.670	0.650	0.630	0.630	0.630	0.650	0.660	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.670	0.653	
8	0.660	0.650	0.640	0.640	0.650	0.660	0.670	0.680	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.650	0.655	
9	0.640	0.630	0.620	0.630	0.650	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.640	0.650	0.650	0.650	0.650	0.660	0.660	0.670	0.680	0.652	
10	0.680	0.670	0.660	0.640	0.640	0.650	0.660	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.656	
11	0.650	0.630	0.620	0.620	0.630	0.640	0.650	0.660	0.660	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.649	
12	0.660	0.630	0.620	0.610	0.610	0.620	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.646	
13	0.660	0.640	0.620	0.620	0.620	0.630	0.640	0.650	0.660	0.660	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.650	0.650	0.660	0.660	0.660	0.680	0.649	
14																										
15Q	0.680	0.660	0.640	0.620	0.630	0.650	0.660	0.660	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.680	0.655	
16	0.670	0.640	0.620	0.620	0.620	0.630	0.650	0.660	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.650	
17	0.660	0.640	0.620	0.610	0.620	0.620	0.630	0.650	0.660	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.647	
18	0.670	0.670	0.660	0.650	0.640	0.630	0.630	0.640	0.660	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.660	0.653	
19Q	0.650	0.650	0.640	0.640	0.640	0.640	0.640	0.650	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.651	
20	0.670	0.660	0.640	0.620	0.610	0.610	0.620	0.630	0.650	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.660	0.650	0.650	0.650	0.650	0.660	0.660	0.670	0.648	
21	0.670	0.660	0.650	0.630	0.620	0.610	0.630	0.650	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.648	
22	0.660	0.650	0.640	0.630	0.630	0.640	0.650	0.660	0.670	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.651	
23	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.670	0.660	0.660	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.670	0.655	
24	0.660	0.650	0.630	0.630	0.630	0.640	0.650	0.660	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.660	0.670	0.652	
25																										
26																										
27D	0.670	0.640	0.620	0.620	0.620	0.620	0.640	0.650	0.670	0.660	0.660	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.660	0.660	0.670	0.670	0.649	
28																										
29																										
30D	0.660	0.650	0.620	0.610	0.610	0.620	0.660	0.710	0.670	0.670	0.660	0.650	0.650	0.650	0.650	0.650	0.640	0.640	0.640	0.650	0.650	0.660	0.660	0.670	0.650	
31D	0.660	0.650	0.640	0.640	0.640	0.650	0.670	0.670	0.680	0.680	0.660	0.670	0.660	0.650	0.650	0.650	0.640	0.650	0.660	0.650	0.660	0.670	0.680	0.680	0.659	
Mean	0.663	0.648	0.633	0.626	0.628	0.636	0.648	0.659	0.665	0.667	0.660	0.653	0.651	0.650	0.650	0.650	0.650	0.649	0.650	0.650	0.653	0.660	0.662	0.668	0.651	
Q	0.660	0.645	0.630	0.625	0.633	0.643	0.655	0.660	0.668	0.665	0.658	0.653	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.650	0.658	0.660	0.660	0.668	0.652	
D	0.665	0.650	0.630	0.623	0.620	0.630	0.653	0.673	0.673	0.673	0.663	0.658	0.653	0.650	0.650	0.650	0.645	0.648	0.650	0.650	0.658	0.663	0.668	0.673	0.653	



TANGERANG MAGNETIC OBSERVATORY																									September-19
DATE	HOURLY MEAN VALUES OF D : Tabular values in degrees																								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	0.640	0.620	0.610	0.600	0.610	0.620	0.630	0.640	0.640	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.610	0.620	0.620	0.620	0.620	0.630	0.640	0.640	0.623
2D	0.650	0.630	0.610	0.600	0.610	0.620	0.650	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.620	0.630	0.630	0.630	0.623
3																									
4	0.630	0.610	0.600	0.600	0.590	0.600	0.640	0.620	0.640	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.620	0.630	0.640	0.620
5																									
6	0.630	0.600	0.590	0.640	0.620	0.640	0.630	0.610	0.640	0.640	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.620	0.620	0.630	0.630	0.623
7	0.620	0.590	0.580	0.570	0.580	0.600	0.630	0.640	0.640	0.640	0.640	0.630	0.630	0.620	0.610	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.630	0.630	0.617
8	0.610	0.590	0.580	0.580	0.590	0.610	0.630	0.640	0.650	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630	0.618
9	0.630	0.610	0.590	0.590	0.590	0.600	0.620	0.640	0.640	0.630	0.640	0.630	0.620	0.620	0.620	0.610	0.610	0.620	0.620	0.620	0.630	0.630	0.640	0.650	0.621
10Q	0.640	0.620	0.600	0.580	0.570	0.580	0.590	0.610	0.620	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630	0.615
11	0.620	0.600	0.590	0.600	0.610	0.630	0.650	0.660	0.650	0.650	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.623
12	0.620	0.600	0.580	0.570	0.570	0.590	0.610	0.620	0.630	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630	0.615
13	0.630	0.610	0.600	0.600	0.590	0.610	0.630	0.640	0.640	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.620
14	0.620	0.600	0.590	0.580	0.580	0.600	0.620	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.616
15	0.610	0.590	0.580	0.590	0.610	0.630	0.640	0.650	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630	0.620
16	0.610	0.580	0.570	0.570	0.570	0.590	0.610	0.630	0.640	0.640	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.630	0.630	0.640	0.615
17	0.640	0.630	0.630	0.620	0.600	0.600	0.600	0.600	0.610	0.620	0.630	0.620	0.620	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.640	0.620
18																									
19Q	0.610	0.600	0.590	0.600	0.610	0.610	0.620	0.640	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.620	0.620	0.620	0.620	0.617
20																									
21	0.620	0.620	0.630	0.630	0.630	0.630	0.630	0.630	0.640	0.640	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.620	0.610	0.620	0.623
22Q	0.610	0.600	0.590	0.590	0.600	0.600	0.610	0.620	0.630	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.616
23	0.620	0.600	0.580	0.580	0.580	0.590	0.600	0.620	0.630	0.640	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.615
24	0.610	0.590	0.580	0.580	0.600	0.630	0.640	0.640	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.617
25	0.620	0.620	0.620	0.630	0.630	0.640	0.640	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.624
26Q	0.620	0.620	0.610	0.610	0.610	0.620	0.630	0.650	0.650	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.623
27D	0.600	0.590	0.590	0.600	0.610	0.630	0.630	0.640	0.650	0.650	0.640	0.640	0.630	0.620	0.610	0.610	0.610	0.620	0.620	0.620	0.620	0.620	0.620	0.640	0.622
28D	0.610	0.600	0.610	0.620	0.630	0.630	0.650	0.660	0.650	0.640	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.620	0.620	0.610	0.625
29	0.600	0.590	0.590	0.600	0.610	0.630	0.620	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.620	0.620	0.610	0.616
30	0.600	0.590	0.590	0.600	0.630	0.640	0.650	0.660	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.600	0.600	0.622
Mean	0.620	0.604	0.595	0.597	0.601	0.614	0.627	0.634	0.637	0.635	0.630	0.624	0.621	0.622	0.620	0.619	0.618	0.619	0.617	0.618	0.620	0.623	0.625	0.627	0.620
Q	0.620	0.610	0.598	0.595	0.598	0.603	0.613	0.630	0.635	0.635	0.628	0.623	0.620	0.620	0.620	0.620	0.620	0.620	0.618	0.618	0.620	0.623	0.623	0.623	0.618
D	0.625	0.610	0.605	0.605	0.615	0.625	0.640	0.643	0.643	0.638	0.633	0.625	0.623	0.623	0.620	0.618	0.615	0.615	0.615	0.618	0.623	0.623	0.625	0.630	0.623



DECLINATION																									
HOURLY MEAN VALUES OF D : Tabular values in degrees																									
TANGERANG MAGNETIC OBSERVATORY																									
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	0.600	0.600	0.610	0.630	0.640	0.640	0.650	0.640	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.620	0.620	0.620	0.620	0.620	0.600	0.620
2	0.600	0.600	0.600	0.600	0.610	0.620	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.619
3																									
4																									
5	0.620	0.620	0.620	0.620	0.630	0.650	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.629
6	0.620	0.610	0.610	0.620	0.640	0.660	0.660	0.660	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630
7																									
8																									
9	0.610	0.610	0.610	0.620	0.630	0.640	0.650	0.640	0.630	0.630	0.630	0.620	0.620	0.620	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630	0.625
10	0.610	0.600	0.590	0.600	0.620	0.640	0.650	0.660	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.624
11D	0.610	0.610	0.620	0.620	0.640	0.650	0.650	0.650	0.640	0.630	0.630	0.630	0.620	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.620	0.610	0.626
12Q	0.600	0.590	0.600	0.600	0.620	0.640	0.650	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.630	0.630	0.620	0.624
13Q	0.600	0.580	0.570	0.580	0.600	0.620	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.618
14																									
15	0.600	0.590	0.600	0.610	0.620	0.640	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.623
16	0.580	0.560	0.560	0.570	0.610	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.610	0.610	0.610	0.620	0.630	0.620	0.615
17	0.600	0.600	0.590	0.600	0.620	0.640	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.622
18	0.610	0.610	0.600	0.610	0.630	0.650	0.650	0.650	0.640	0.630	0.620	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.610	0.610	0.620	0.620	0.620	0.623
19	0.610	0.590	0.590	0.600	0.610	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.621
20	0.610	0.600	0.600	0.600	0.610	0.630	0.640	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.610	0.620	0.620	0.630	0.630	0.622
21Q	0.630	0.620	0.620	0.620	0.630	0.650	0.650	0.650	0.640	0.640	0.640	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.628
22	0.600	0.590	0.590	0.590	0.620	0.640	0.650	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.623
23Q	0.610	0.600	0.590	0.590	0.600	0.630	0.640	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.622
24D	0.620	0.610	0.590	0.580	0.600	0.610	0.630	0.640	0.640	0.640	0.640	0.630	0.630	0.630	0.620	0.620	0.620	0.610	0.610	0.600	0.610	0.610	0.610	0.630	0.618
25D	0.620	0.610	0.600	0.610	0.610	0.620	0.650	0.650	0.660	0.660	0.650	0.650	0.640	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.627
26D	0.600	0.600	0.600	0.610	0.630	0.650	0.660	0.660	0.640	0.650	0.650	0.640	0.630	0.630	0.620	0.610	0.620	0.620	0.610	0.610	0.620	0.620	0.620	0.610	0.625
27	0.600	0.600	0.600	0.610	0.620	0.630	0.640	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.620	0.623
28																									
29	0.600	0.610	0.600	0.610	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.610	0.620	0.610	0.610	0.610	0.620	0.610	0.610	0.620
30																									
31	0.610	0.610	0.600	0.610	0.620	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.620	0.620	0.623
Mean	0.607	0.601	0.598	0.605	0.620	0.637	0.646	0.647	0.640	0.636	0.632	0.630	0.629	0.628	0.623	0.620	0.619	0.619	0.616	0.617	0.618	0.621	0.623	0.620	0.623
Q	0.610	0.598	0.595	0.598	0.613	0.635	0.645	0.648	0.643	0.638	0.633	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.618	0.620	0.620	0.623	0.625	0.623	0.623
D	0.613	0.608	0.603	0.605	0.620	0.633	0.648	0.650	0.645	0.645	0.643	0.638	0.630	0.628	0.620	0.618	0.620	0.618	0.613	0.613	0.618	0.620	0.618	0.615	0.624

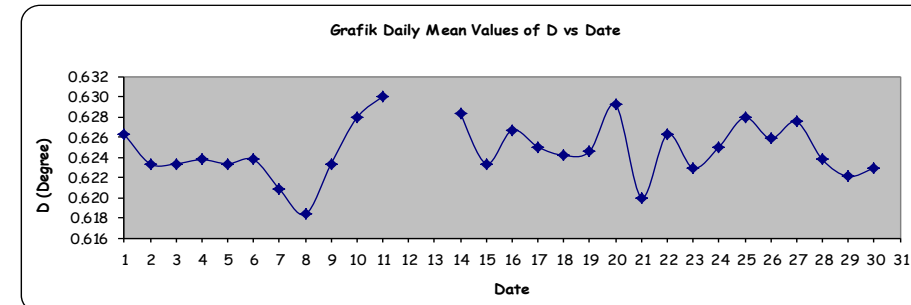
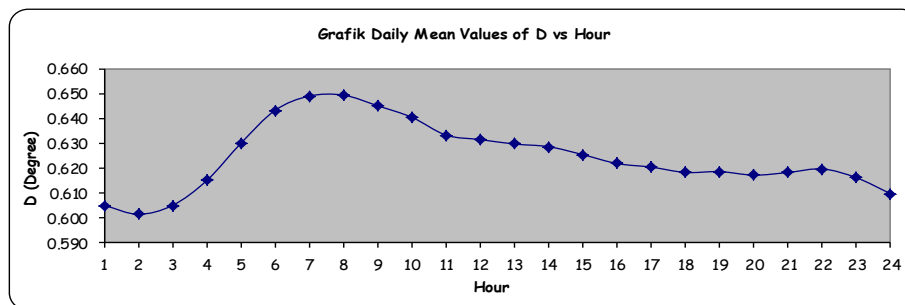


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

November-19

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	0.620	0.610	0.610	0.610	0.620	0.640	0.640	0.640	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.626
2	0.620	0.610	0.600	0.600	0.610	0.620	0.640	0.640	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.623
3Q	0.610	0.610	0.600	0.600	0.610	0.630	0.640	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.623
4	0.620	0.610	0.600	0.600	0.620	0.630	0.640	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.624
5	0.600	0.600	0.600	0.600	0.620	0.640	0.640	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.620	0.620	0.623
6	0.620	0.610	0.610	0.610	0.620	0.640	0.640	0.640	0.640	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.624
7	0.610	0.600	0.590	0.600	0.620	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.621
8	0.600	0.600	0.590	0.590	0.600	0.620	0.630	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.618
9	0.610	0.600	0.610	0.620	0.630	0.640	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.600	0.623
10	0.610	0.610	0.620	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.628
11	0.620	0.620	0.630	0.640	0.650	0.650	0.650	0.650	0.650	0.650	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.630	0.620	0.600	0.630
12																									
13																									
14	0.600	0.600	0.610	0.630	0.650	0.660	0.670	0.660	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.610	0.620	0.610	0.600	0.628
15	0.590	0.590	0.590	0.610	0.630	0.640	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.623
16	0.600	0.600	0.610	0.620	0.640	0.650	0.660	0.660	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.627
17	0.600	0.600	0.590	0.610	0.620	0.650	0.660	0.660	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.610	0.620	0.620	0.630	0.630	0.625
18	0.620	0.610	0.610	0.610	0.630	0.630	0.640	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.600	0.624
19	0.590	0.590	0.600	0.620	0.630	0.640	0.650	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.625
20D	0.620	0.610	0.620	0.630	0.650	0.660	0.650	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.610	0.610	0.620	0.620	0.610	0.629
21	0.600	0.590	0.590	0.600	0.610	0.630	0.650	0.650	0.650	0.650	0.640	0.640	0.630	0.630	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.610	0.600	0.620
22D	0.590	0.590	0.610	0.630	0.650	0.670	0.680	0.660	0.660	0.650	0.630	0.630	0.630	0.630	0.620	0.610	0.620	0.610	0.610	0.610	0.610	0.620	0.610	0.600	0.626
23	0.600	0.600	0.620	0.630	0.640	0.650	0.650	0.650	0.640	0.650	0.640	0.630	0.630	0.620	0.620	0.620	0.610	0.610	0.610	0.610	0.610	0.620	0.600	0.590	0.623
24	0.590	0.600	0.620	0.640	0.650	0.660	0.660	0.650	0.640	0.640	0.630	0.630	0.630	0.620	0.620	0.620	0.610	0.610	0.620	0.610	0.620	0.620	0.610	0.600	0.625
25Q	0.600	0.600	0.610	0.630	0.640	0.660	0.660	0.660	0.650	0.640	0.640	0.640	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.628
26Q	0.610	0.610	0.620	0.630	0.640	0.650	0.640	0.640	0.630	0.640	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.600	0.626
27	0.600	0.600	0.610	0.630	0.650	0.660	0.660	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.620	0.600	0.628
28	0.600	0.600	0.600	0.610	0.630	0.640	0.650	0.650	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.620	0.610	0.610	0.590	0.624
29D	0.580	0.570	0.570	0.590	0.620	0.640	0.650	0.650	0.650	0.640	0.630	0.630	0.630	0.630	0.630	0.620	0.620	0.620	0.620	0.620	0.630	0.630	0.630	0.630	0.622
30D	0.610	0.600	0.600	0.600	0.620	0.630	0.640	0.650	0.650	0.650	0.640	0.640	0.630	0.630	0.630	0.620	0.620	0.610	0.610	0.610	0.610	0.620	0.620	0.620	0.623
Mean	0.605	0.601	0.605	0.615	0.630	0.643	0.649	0.649	0.645	0.640	0.633	0.631	0.630	0.629	0.625	0.622	0.620	0.618	0.619	0.617	0.618	0.620	0.616	0.610	0.625
Q	0.610	0.608	0.610	0.618	0.628	0.645	0.645	0.648	0.640	0.638	0.638	0.633	0.630	0.630	0.628	0.625	0.623	0.620	0.620	0.620	0.620	0.615	0.613	0.626	0.626
D	0.600	0.593	0.600	0.613	0.635	0.650	0.655	0.653	0.653	0.645	0.635	0.635	0.630	0.630	0.628	0.618	0.620	0.615	0.615	0.613	0.615	0.620	0.620	0.615	0.625

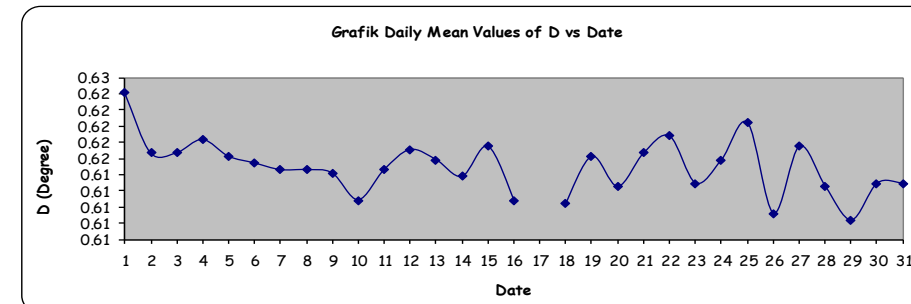
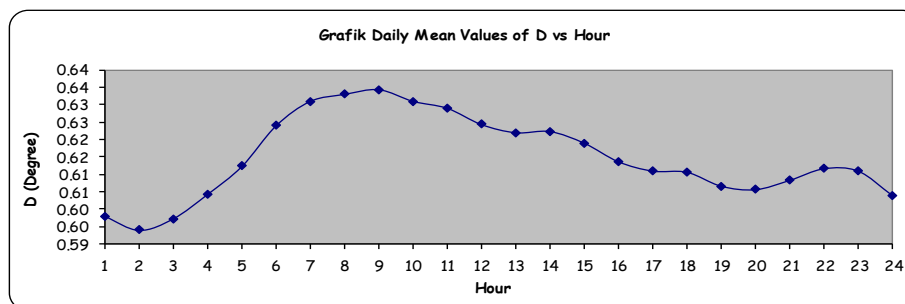


DECLINATION
HOURLY MEAN VALUES OF D : Tabular values in degrees

TANGERANG MAGNETIC OBSERVATORY

December-19

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	0.61	0.61	0.62	0.63	0.64	0.65	0.66	0.65	0.64	0.63	0.63	0.63	0.62	0.63	0.63	0.62	0.62	0.61	0.61	0.61	0.61	0.62	0.61	0.61	0.60	0.62
2Q	0.59	0.59	0.59	0.60	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.62	0.62	0.61	0.61	0.62
3Q	0.61	0.60	0.60	0.60	0.60	0.61	0.63	0.64	0.64	0.64	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.61	0.61	0.62
4	0.60	0.59	0.59	0.61	0.61	0.63	0.64	0.64	0.65	0.65	0.64	0.63	0.63	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62
5	0.60	0.60	0.60	0.61	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.59	0.62
6	0.58	0.58	0.58	0.59	0.61	0.63	0.63	0.63	0.64	0.64	0.64	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.62	0.62	0.62	0.60	0.62
7	0.60	0.60	0.60	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
8	0.60	0.60	0.60	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
9	0.60	0.59	0.59	0.60	0.61	0.62	0.63	0.63	0.64	0.64	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.61
10	0.60	0.59	0.59	0.60	0.61	0.62	0.62	0.62	0.62	0.62	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.59	0.61
11D	0.59	0.59	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.62	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.61	0.60	0.61	0.61
12	0.59	0.58	0.59	0.61	0.63	0.64	0.65	0.64	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62
13	0.59	0.59	0.60	0.61	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.61	0.62
14	0.59	0.58	0.58	0.58	0.60	0.62	0.63	0.64	0.64	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.61	0.62	0.61	0.61	0.61	0.61	0.62	0.62	0.61	0.62
15D	0.63	0.62	0.61	0.60	0.61	0.62	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.61	0.62	0.61
16	0.60	0.58	0.58	0.57	0.58	0.60	0.61	0.63	0.64	0.64	0.63	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.61	0.61	0.61
17																										
18D	0.59	0.58	0.57	0.58	0.60	0.62	0.63	0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.62	0.61	0.60	0.60	0.60	0.59	0.60	0.61	0.60	0.59	0.61	0.61
19D	0.59	0.58	0.58	0.59	0.61	0.63	0.64	0.65	0.65	0.64	0.64	0.64	0.63	0.63	0.62	0.61	0.61	0.61	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.62
20	0.61	0.60	0.60	0.59	0.59	0.60	0.61	0.62	0.63	0.64	0.63	0.63	0.63	0.63	0.62	0.61	0.61	0.61	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.61
21	0.60	0.60	0.61	0.61	0.61	0.62	0.62	0.63	0.64	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.61	0.61	0.61	0.60	0.61	0.61	0.61	0.61	0.61	0.62
22	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.60	0.61	0.62
23	0.60	0.60	0.60	0.61	0.61	0.62	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.61	0.61	0.61	0.62	0.61
24	0.61	0.62	0.62	0.61	0.61	0.63	0.64	0.64	0.63	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.62
25	0.61	0.61	0.63	0.65	0.65	0.65	0.65	0.64	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.60	0.61	0.60	0.60	0.61	0.61	0.60	0.58	0.61	0.62
26	0.57	0.56	0.57	0.59	0.60	0.61	0.63	0.64	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.61	0.60	0.61	0.61
27	0.60	0.60	0.61	0.62	0.63	0.64	0.64	0.63	0.63	0.62	0.62	0.62	0.62	0.63	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.61	0.62
28Q	0.59	0.59	0.59	0.60	0.61	0.62	0.62	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
29Q	0.60	0.60	0.59	0.60	0.60	0.61	0.63	0.62	0.63	0.62	0.61	0.61	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.61	0.60	0.59	0.61	0.61
30	0.59	0.59	0.60	0.60	0.60	0.62	0.63	0.64	0.64	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.61	0.60	0.61	0.61
31	0.59	0.59	0.60	0.60	0.60	0.62	0.63	0.64	0.64	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.61	0.60	0.61	0.61
Mean	0.60	0.59	0.60	0.60	0.61	0.62	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.61	0.61
Q	0.60	0.59	0.60	0.61	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62
D	0.60	0.60	0.61	0.62	0.62	0.63	0.64	0.64	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.61	0.60	0.61	0.62

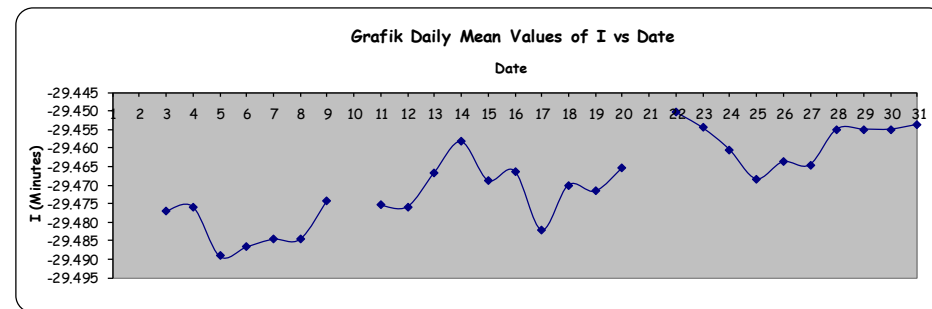
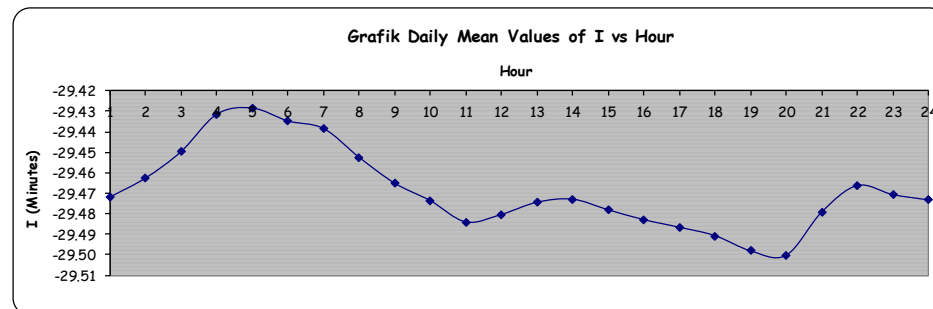


INCLINATION
HOURLY MEAN VALUES OF I : Tabular values in Degrees

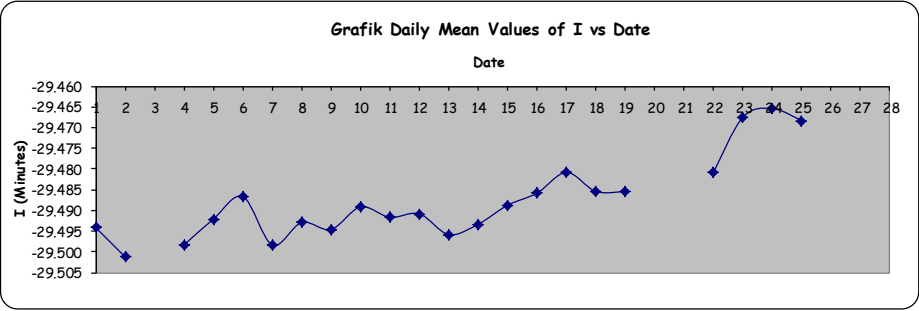
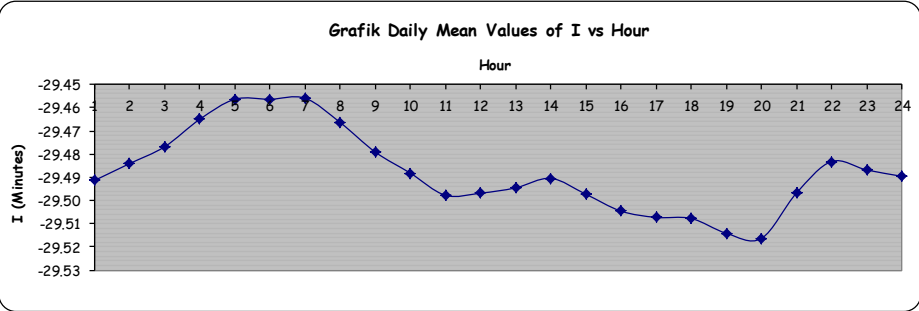
TANGERANG MAGNETIC OBSERVATORY

January-19

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																									
2																									
3																									
4D	-29.49	-29.48	-29.46	-29.43	-29.44	-29.45	-29.46	-29.47	-29.48	-29.49	-29.49	-29.49	-29.48	-29.48	-29.48	-29.48	-29.49	-29.49	-29.50	-29.50	-29.48	-29.48	-29.48	-29.48	-29.48
5	-29.48	-29.47	-29.45	-29.43	-29.43	-29.44	-29.44	-29.44	-29.45	-29.47	-29.50	-29.49	-29.48	-29.49	-29.49	-29.49	-29.49	-29.51	-29.53	-29.52	-29.49	-29.47	-29.48	-29.49	-29.48
6	-29.48	-29.48	-29.47	-29.45	-29.46	-29.47	-29.47	-29.47	-29.49	-29.50	-29.50	-29.50	-29.50	-29.49	-29.50	-29.50	-29.51	-29.51	-29.51	-29.51	-29.49	-29.49	-29.49	-29.49	-29.50
7	-29.50	-29.49	-29.47	-29.45	-29.45	-29.45	-29.47	-29.48	-29.49	-29.49	-29.50	-29.49	-29.48	-29.48	-29.49	-29.49	-29.50	-29.51	-29.50	-29.51	-29.50	-29.49	-29.50	-29.50	-29.49
8	-29.49	-29.49	-29.47	-29.45	-29.45	-29.46	-29.46	-29.48	-29.49	-29.49	-29.50	-29.50	-29.48	-29.48	-29.49	-29.49	-29.50	-29.50	-29.50	-29.51	-29.49	-29.48	-29.49	-29.49	-29.48
9	-29.48	-29.49	-29.46	-29.45	-29.45	-29.46	-29.47	-29.48	-29.49	-29.50	-29.51	-29.49	-29.49	-29.48	-29.48	-29.49	-29.50	-29.50	-29.51	-29.51	-29.49	-29.48	-29.48	-29.49	-29.48
10	-29.48	-29.47	-29.46	-29.44	-29.43	-29.43	-29.44	-29.45	-29.47	-29.48	-29.49	-29.49	-29.48	-29.48	-29.48	-29.50	-29.50	-29.50	-29.51	-29.50	-29.48	-29.47	-29.47	-29.48	-29.47
11	-29.48	-29.46	-29.45	-29.44	-29.42	-29.44	-29.45	-29.47	-29.48	-29.49	-29.49	-29.49	-29.49	-29.49	-29.49	-29.50	-29.50	-29.50	-29.50	-29.51	-29.47	-29.46	-29.47	-29.47	-29.48
12	-29.48	-29.47	-29.45	-29.43	-29.43	-29.44	-29.44	-29.44	-29.45	-29.47	-29.50	-29.49	-29.48	-29.49	-29.49	-29.49	-29.49	-29.51	-29.53	-29.52	-29.49	-29.47	-29.48	-29.49	-29.48
13	-29.47	-29.46	-29.45	-29.44	-29.43	-29.43	-29.43	-29.46	-29.47	-29.48	-29.49	-29.48	-29.48	-29.48	-29.48	-29.47	-29.47	-29.49	-29.50	-29.50	-29.47	-29.46	-29.46	-29.46	-29.45
14	-29.46	-29.45	-29.42	-29.39	-29.39	-29.40	-29.40	-29.43	-29.46	-29.47	-29.49	-29.49	-29.49	-29.48	-29.48	-29.48	-29.48	-29.49	-29.48	-29.50	-29.50	-29.48	-29.45	-29.46	-29.46
15	-29.46	-29.46	-29.46	-29.43	-29.42	-29.43	-29.43	-29.45	-29.46	-29.47	-29.48	-29.48	-29.48	-29.48	-29.48	-29.49	-29.49	-29.49	-29.50	-29.49	-29.48	-29.48	-29.48	-29.48	-29.48
16	-29.48	-29.46	-29.44	-29.41	-29.42	-29.43	-29.44	-29.47	-29.49	-29.47	-29.48	-29.46	-29.44	-29.44	-29.46	-29.47	-29.48	-29.49	-29.50	-29.51	-29.49	-29.48	-29.49	-29.49	-29.49
17D	-29.49	-29.49	-29.48	-29.46	-29.46	-29.46	-29.45	-29.46	-29.46	-29.47	-29.48	-29.49	-29.48	-29.48	-29.48	-29.50	-29.51	-29.51	-29.51	-29.51	-29.48	-29.48	-29.49	-29.49	-29.48
18	-29.48	-29.45	-29.44	-29.43	-29.44	-29.44	-29.44	-29.45	-29.47	-29.48	-29.48	-29.48	-29.47	-29.47	-29.48	-29.49	-29.49	-29.49	-29.50	-29.50	-29.50	-29.47	-29.47	-29.47	-29.47
19	-29.47	-29.45	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.48	-29.48	-29.47	-29.47	-29.47	-29.47	-29.48	-29.49	-29.50	-29.50	-29.51	-29.48	-29.48	-29.48	-29.48	-29.47
20	-29.47	-29.46	-29.44	-29.42	-29.42	-29.43	-29.43	-29.45	-29.47	-29.47	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.49	-29.47	-29.47	-29.48	-29.48	-29.47
21	-29.47	-29.46	-29.44	-29.42	-29.42	-29.43	-29.43	-29.45	-29.47	-29.47	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.49	-29.47	-29.47	-29.48	-29.48	-29.47
22	-29.45	-29.44	-29.43	-29.41	-29.39	-29.41	-29.43	-29.44	-29.45	-29.46	-29.47	-29.45	-29.44	-29.44	-29.45	-29.46	-29.47	-29.48	-29.49	-29.49	-29.48	-29.46	-29.46	-29.46	-29.46
23	-29.46	-29.45	-29.44	-29.42	-29.41	-29.40	-29.41	-29.44	-29.45	-29.45	-29.48	-29.49	-29.47	-29.45	-29.47	-29.48	-29.47	-29.48	-29.47	-29.49	-29.47	-29.45	-29.46	-29.45	-29.45
24D	-29.43	-29.43	-29.42	-29.41	-29.42	-29.44	-29.45	-29.48	-29.47	-29.48	-29.48	-29.47	-29.47	-29.47	-29.48	-29.48	-29.48	-29.49	-29.49	-29.49	-29.47	-29.45	-29.45	-29.45	-29.46
25	-29.46	-29.45	-29.44	-29.44	-29.44	-29.45	-29.46	-29.46	-29.47	-29.47	-29.47	-29.47	-29.48	-29.48	-29.48	-29.48	-29.48	-29.49	-29.50	-29.49	-29.49	-29.46	-29.46	-29.47	-29.47
26	-29.47	-29.46	-29.46	-29.44	-29.43	-29.42	-29.44	-29.46	-29.47	-29.47	-29.48	-29.48	-29.47	-29.48	-29.48	-29.48	-29.48	-29.48	-29.49	-29.49	-29.46	-29.45	-29.46	-29.47	-29.46
27Q	-29.48	-29.47	-29.46	-29.45	-29.44	-29.44	-29.43	-29.44	-29.45	-29.46	-29.48	-29.48	-29.47	-29.46	-29.47	-29.48	-29.48	-29.48	-29.49	-29.50	-29.47	-29.45	-29.46	-29.46	-29.46
28Q	-29.46	-29.46	-29.45	-29.43	-29.42	-29.42	-29.42	-29.43	-29.44	-29.46	-29.47	-29.47	-29.47	-29.46	-29.46	-29.46	-29.46	-29.47	-29.49	-29.49	-29.47	-29.45	-29.45	-29.46	-29.46
29Q	-29.47	-29.46	-29.45	-29.43	-29.42	-29.43	-29.42	-29.43	-29.45	-29.46	-29.47	-29.47	-29.47	-29.46	-29.46	-29.46	-29.46	-29.46	-29.48	-29.49	-29.47	-29.45	-29.45	-29.45	-29.45
30Q	-29.46	-29.45	-29.44	-29.42	-29.42	-29.42	-29.42	-29.43	-29.45	-29.46	-29.47	-29.46	-29.46	-29.46	-29.47	-29.47	-29.48	-29.47	-29.48	-29.49	-29.47	-29.45	-29.46	-29.46	-29.46
31D	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29.45
Mean	-29.47	-29.46	-29.45	-29.43	-29.43	-29.43	-29.44	-29.45	-29.47	-29.47	-29.48	-29.48	-29.47	-29.47	-29.48	-29.48	-29.49	-29.49	-29.50	-29.50	-29.48	-29.47	-29.47	-29.47	-29.47
Q	-29.47	-29.46	-29.45	-29.43	-29.43	-29.43	-29.42	-29.43	-29.45	-29.46	-29.47	-29.47	-29.47	-29.46	-29.47	-29.47	-29.47	-29.47	-29.49	-29.49	-29.47	-29.45	-29.46	-29.46	-29.46
D	-29.47	-29.46	-29.45	-29.43	-29.43	-29.43	-29.44	-29.45	-29.46	-29.47	-29.48	-29.48	-29.47	-29.48	-29.49	-29.49	-29.50	-29.50	-29.51	-29.50	-29.48	-29.47	-29.47	-29.48	-29.47



INCLINATION																									
HOURLY MEAN VALUES OF I : Tabular values in Degrees																									
TANGERANG MAGNETIC OBSERVATORY																									
February-19																									
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	-29.50	-29.48	-29.48	-29.47	-29.46	-29.46	-29.46	-29.49	-29.49	-29.50	-29.51	-29.49	-29.49	-29.49	-29.52	-29.53	-29.50	-29.52	-29.53	-29.53	-29.49	-29.49	-29.49	-29.49	-29.494
2D	-29.50	-29.51	-29.49	-29.48	-29.48	-29.47	-29.46	-29.48	-29.51	-29.51	-29.52	-29.51	-29.51	-29.50	-29.51	-29.50	-29.52	-29.52	-29.51	-29.52	-29.51	-29.50	-29.50	-29.51	-29.501
3																									
4	-29.50	-29.50	-29.49	-29.47	-29.46	-29.47	-29.46	-29.47	-29.48	-29.49	-29.50	-29.50	-29.51	-29.51	-29.52	-29.54	-29.53	-29.52	-29.53	-29.52	-29.49	-29.48	-29.50	-29.52	-29.498
5	-29.52	-29.52	-29.49	-29.49	-29.45	-29.44	-29.45	-29.46	-29.46	-29.48	-29.50	-29.49	-29.49	-29.50	-29.50	-29.51	-29.51	-29.51	-29.51	-29.52	-29.51	-29.50	-29.50	-29.50	-29.492
6D	-29.50	-29.48	-29.46	-29.45	-29.43	-29.43	-29.44	-29.45	-29.48	-29.47	-29.50	-29.52	-29.53	-29.50	-29.50	-29.51	-29.50	-29.51	-29.52	-29.52	-29.50	-29.49	-29.49	-29.50	-29.487
7	-29.51	-29.51	-29.51	-29.49	-29.47	-29.47	-29.47	-29.48	-29.49	-29.49	-29.50	-29.50	-29.50	-29.50	-29.51	-29.51	-29.52	-29.51	-29.51	-29.52	-29.50	-29.49	-29.50	-29.50	-29.498
8	-29.50	-29.49	-29.49	-29.47	-29.46	-29.46	-29.46	-29.48	-29.49	-29.51	-29.51	-29.50	-29.49	-29.49	-29.49	-29.50	-29.51	-29.51	-29.52	-29.52	-29.50	-29.49	-29.49	-29.50	-29.493
9	-29.51	-29.50	-29.50	-29.47	-29.47	-29.46	-29.47	-29.47	-29.49	-29.50	-29.50	-29.50	-29.50	-29.50	-29.50	-29.51	-29.51	-29.51	-29.51	-29.51	-29.50	-29.50	-29.50	-29.49	-29.495
10	-29.49	-29.48	-29.48	-29.47	-29.46	-29.46	-29.47	-29.48	-29.49	-29.49	-29.51	-29.49	-29.48	-29.48	-29.49	-29.50	-29.51	-29.50	-29.52	-29.52	-29.50	-29.49	-29.49	-29.49	-29.489
11D	-29.49	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.48	-29.49	-29.49	-29.48	-29.49	-29.48	-29.48	-29.50	-29.52	-29.52	-29.52	-29.51	-29.52	-29.51	-29.48	-29.48	-29.48	-29.492
12	-29.48	-29.48	-29.48	-29.48	-29.48	-29.47	-29.47	-29.48	-29.49	-29.49	-29.49	-29.49	-29.49	-29.50	-29.50	-29.51	-29.50	-29.50	-29.52	-29.52	-29.51	-29.48	-29.49	-29.48	-29.491
13	-29.49	-29.49	-29.48	-29.47	-29.46	-29.47	-29.46	-29.47	-29.48	-29.50	-29.51	-29.53	-29.54	-29.51	-29.50	-29.51	-29.51	-29.51	-29.52	-29.51	-29.49	-29.49	-29.50	-29.50	-29.496
14	-29.50	-29.50	-29.49	-29.47	-29.47	-29.47	-29.46	-29.47	-29.49	-29.51	-29.51	-29.50	-29.49	-29.48	-29.49	-29.50	-29.51	-29.51	-29.52	-29.52	-29.49	-29.49	-29.50	-29.50	-29.493
15	-29.49	-29.48	-29.48	-29.47	-29.47	-29.47	-29.46	-29.46	-29.48	-29.49	-29.50	-29.50	-29.50	-29.50	-29.50	-29.51	-29.51	-29.51	-29.51	-29.52	-29.50	-29.48	-29.47	-29.48	-29.489
16Q	-29.48	-29.47	-29.46	-29.45	-29.45	-29.47	-29.47	-29.47	-29.49	-29.49	-29.50	-29.50	-29.50	-29.49	-29.50	-29.50	-29.51	-29.51	-29.51	-29.52	-29.49	-29.48	-29.48	-29.47	-29.486
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18	-29.48	-29.47	-29.47	-29.46	-29.45	-29.45	-29.44	-29.45	-29.48	-29.48	-29.49	-29.50	-29.49	-29.50	-29.51	-29.51	-29.51	-29.51	-29.52	-29.52	-29.51	-29.48	-29.48	-29.49	-29.485
19Q	-29.49	-29.49	-29.49	-29.47	-29.46	-29.46	-29.46	-29.47	-29.47	-29.48	-29.49	-29.50	-29.49	-29.49	-29.49	-29.50	-29.51	-29.51	-29.51	-29.51	-29.49	-29.47	-29.47	-29.48	-29.485
20																									
21																									
22	-29.49	-29.48	-29.48	-29.46	-29.45	-29.45	-29.45	-29.46	-29.47	-29.49	-29.49	-29.49	-29.49	-29.48	-29.49	-29.49	-29.50	-29.50	-29.51	-29.51	-29.48	-29.47	-29.48	-29.48	-29.481
23Q	-29.48	-29.46	-29.45	-29.44	-29.43	-29.43	-29.43	-29.44	-29.45	-29.47	-29.48	-29.48	-29.46	-29.46	-29.47	-29.49	-29.49	-29.49	-29.51	-29.51	-29.49	-29.47	-29.47	-29.47	-29.468
24Q	-29.47	-29.46	-29.44	-29.43	-29.42	-29.42	-29.42	-29.44	-29.45	-29.47	-29.48	-29.48	-29.48	-29.47	-29.48	-29.49	-29.49	-29.49	-29.50	-29.51	-29.48	-29.46	-29.47	-29.47	-29.465
25	-29.47	-29.46	-29.45	-29.44	-29.43	-29.43	-29.43	-29.43	-29.44	-29.46	-29.49	-29.48	-29.48	-29.47	-29.48	-29.48	-29.49	-29.50	-29.50	-29.50	-29.50	-29.47	-29.48	-29.48	-29.468
26																									
27																									
28																									
Mean	-29.49	-29.48	-29.48	-29.47	-29.46	-29.46	-29.46	-29.47	-29.48	-29.49	-29.50	-29.50	-29.49	-29.49	-29.50	-29.50	-29.51	-29.51	-29.51	-29.52	-29.50	-29.48	-29.49	-29.49	-29.49
Q	-29.48	-29.47	-29.46	-29.45	-29.44	-29.45	-29.45	-29.46	-29.47	-29.48	-29.49	-29.49	-29.48	-29.48	-29.49	-29.50	-29.50	-29.50	-29.51	-29.51	-29.49	-29.47	-29.47	-29.47	-29.48
D	-29.50	-29.49	-29.48	-29.47	-29.46	-29.46	-29.46	-29.48	-29.49	-29.49	-29.50	-29.50	-29.50	-29.49	-29.51	-29.52	-29.51	-29.52	-29.52	-29.52	-29.50	-29.49	-29.49	-29.50	-29.49

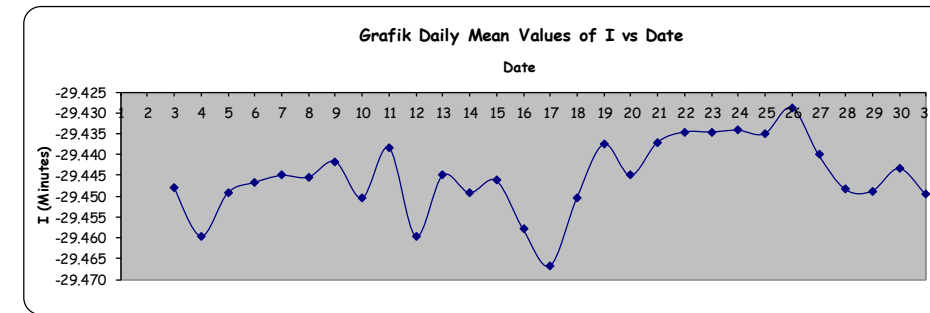
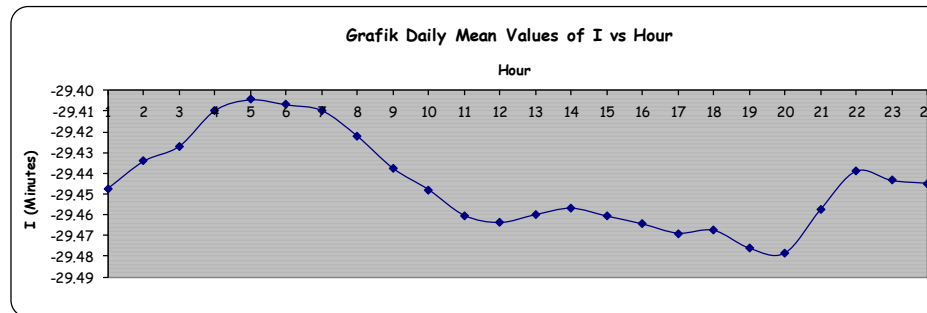


INCLINATION
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

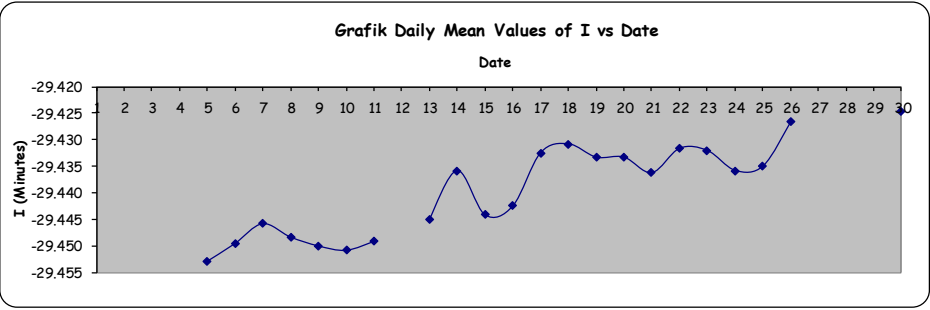
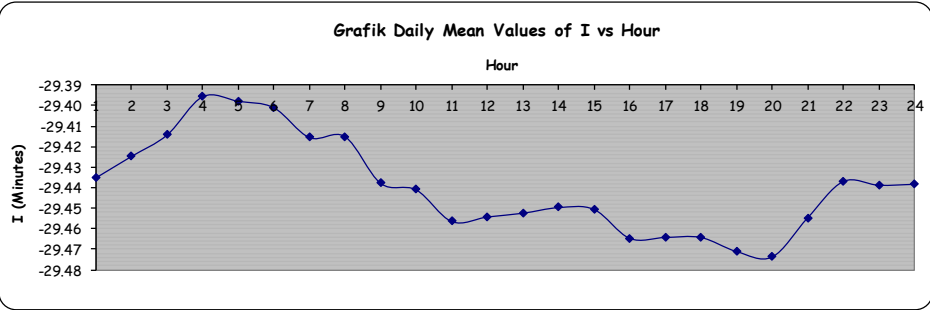
March-19

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																									
2																									
3	-29.45	-29.43	-29.42	-29.42	-29.42	-29.41	-29.42	-29.42	-29.44	-29.45	-29.46	-29.46	-29.45	-29.45	-29.46	-29.47	-29.47	-29.46	-29.48	-29.49	-29.47	-29.45	-29.45	-29.45	-29.45
4	-29.45	-29.44	-29.43	-29.42	-29.43	-29.44	-29.43	-29.44	-29.46	-29.47	-29.49	-29.49	-29.48	-29.47	-29.48	-29.48	-29.48	-29.49	-29.49	-29.49	-29.46	-29.44	-29.44	-29.44	-29.46
5	-29.45	-29.43	-29.43	-29.42	-29.41	-29.42	-29.42	-29.43	-29.44	-29.45	-29.47	-29.47	-29.46	-29.46	-29.47	-29.47	-29.48	-29.47	-29.48	-29.48	-29.45	-29.44	-29.44	-29.44	-29.45
6	-29.44	-29.42	-29.41	-29.40	-29.40	-29.41	-29.43	-29.44	-29.44	-29.45	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.48	-29.48	-29.47	-29.49	-29.46	-29.44	-29.44	-29.45	-29.45
7D	-29.44	-29.41	-29.41	-29.39	-29.39	-29.39	-29.40	-29.41	-29.43	-29.44	-29.45	-29.46	-29.46	-29.46	-29.47	-29.48	-29.50	-29.49	-29.49	-29.49	-29.46	-29.45	-29.45	-29.46	-29.45
8	-29.46	-29.45	-29.44	-29.42	-29.41	-29.41	-29.40	-29.41	-29.43	-29.44	-29.46	-29.46	-29.46	-29.46	-29.45	-29.46	-29.46	-29.47	-29.46	-29.48	-29.48	-29.45	-29.44	-29.44	-29.45
9D	-29.45	-29.44	-29.42	-29.40	-29.38	-29.37	-29.39	-29.40	-29.42	-29.45	-29.45	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.46	-29.48	-29.48	-29.47	-29.45	-29.46	-29.46	-29.44
10	-29.47	-29.45	-29.45	-29.42	-29.41	-29.41	-29.42	-29.42	-29.44	-29.45	-29.46	-29.46	-29.46	-29.45	-29.46	-29.46	-29.46	-29.47	-29.48	-29.48	-29.48	-29.46	-29.45	-29.45	-29.45
11	-29.44	-29.42	-29.41	-29.39	-29.39	-29.38	-29.37	-29.40	-29.42	-29.44	-29.46	-29.46	-29.47	-29.47	-29.46	-29.46	-29.47	-29.46	-29.47	-29.48	-29.46	-29.44	-29.45	-29.45	-29.44
12	-29.45	-29.44	-29.43	-29.42	-29.43	-29.44	-29.43	-29.44	-29.46	-29.47	-29.49	-29.49	-29.48	-29.47	-29.48	-29.48	-29.48	-29.49	-29.49	-29.49	-29.46	-29.44	-29.44	-29.44	-29.46
13	-29.45	-29.43	-29.42	-29.39	-29.40	-29.41	-29.42	-29.43	-29.45	-29.46	-29.47	-29.47	-29.46	-29.46	-29.46	-29.46	-29.47	-29.46	-29.48	-29.48	-29.45	-29.43	-29.43	-29.44	-29.45
14D	-29.44	-29.43	-29.43	-29.40	-29.40	-29.40	-29.42	-29.44	-29.45	-29.45	-29.46	-29.48	-29.48	-29.46	-29.46	-29.47	-29.48	-29.47	-29.48	-29.49	-29.46	-29.43	-29.45	-29.45	-29.45
15	-29.45	-29.44	-29.44	-29.43	-29.43	-29.43	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.45	-29.44	-29.45	-29.46	-29.46	-29.47	-29.48	-29.47	-29.46	-29.44	-29.44	-29.44	-29.45
16D	-29.45	-29.44	-29.44	-29.43	-29.42	-29.41	-29.43	-29.45	-29.47	-29.49	-29.49	-29.46	-29.46	-29.46	-29.47	-29.49	-29.49	-29.49	-29.49	-29.49	-29.48	-29.45	-29.45	-29.47	-29.46
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18Q	-29.46	-29.45	-29.44	-29.43	-29.42	-29.42	-29.41	-29.42	-29.43	-29.45	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.47	-29.48	-29.48	-29.48	-29.44	-29.45	-29.45	-29.45
19	-29.45	-29.43	-29.42	-29.40	-29.39	-29.39	-29.40	-29.41	-29.42	-29.44	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.44	-29.45	-29.45	-29.45
20	-29.46	-29.44	-29.43	-29.41	-29.40	-29.41	-29.40	-29.42	-29.43	-29.44	-29.46	-29.46	-29.45	-29.45	-29.45	-29.46	-29.47	-29.46	-29.48	-29.48	-29.47	-29.45	-29.45	-29.45	-29.45
21Q	-29.45	-29.43	-29.42	-29.40	-29.38	-29.39	-29.39	-29.41	-29.43	-29.44	-29.45	-29.45	-29.45	-29.44	-29.45	-29.46	-29.46	-29.46	-29.48	-29.47	-29.47	-29.43	-29.44	-29.44	-29.44
22Q	-29.44	-29.43	-29.41	-29.39	-29.39	-29.39	-29.40	-29.41	-29.43	-29.44	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.45	-29.46	-29.47	-29.44	-29.43	-29.43	-29.44	-29.43
23Q	-29.44	-29.43	-29.41	-29.40	-29.39	-29.39	-29.40	-29.41	-29.43	-29.44	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.45	-29.46	-29.47	-29.44	-29.43	-29.43	-29.44	-29.43
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25	-29.44	-29.43	-29.44	-29.41	-29.40	-29.36	-29.38	-29.41	-29.42	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.47	-29.47	-29.46	-29.43	-29.44	-29.43	-29.44
26	-29.44	-29.43	-29.43	-29.40	-29.39	-29.40	-29.39	-29.41	-29.42	-29.43	-29.44	-29.45	-29.45	-29.44	-29.44	-29.44	-29.44	-29.44	-29.46	-29.47	-29.44	-29.41	-29.42	-29.41	-29.43
27	-29.42	-29.42	-29.42	-29.40	-29.39	-29.41	-29.40	-29.41	-29.44	-29.45	-29.47	-29.48	-29.47	-29.46	-29.46	-29.47	-29.46	-29.47	-29.46	-29.47	-29.44	-29.43	-29.43	-29.43	-29.44
28	-29.43	-29.42	-29.42	-29.40	-29.40	-29.42	-29.42	-29.44	-29.46	-29.45	-29.45	-29.45	-29.46	-29.47	-29.48	-29.47	-29.46	-29.48	-29.48	-29.47	-29.45	-29.45	-29.45	-29.45	-29.45
29	-29.45	-29.45	-29.44	-29.41	-29.41	-29.42	-29.42	-29.43	-29.45	-29.46	-29.46	-29.46	-29.46	-29.45	-29.46	-29.47	-29.47	-29.47	-29.47	-29.48	-29.45	-29.44	-29.44	-29.45	-29.45
30	-29.45	-29.44	-29.42	-29.40	-29.40	-29.41	-29.42	-29.43	-29.44	-29.45	-29.46	-29.45	-29.45	-29.45	-29.46	-29.46	-29.46	-29.46	-29.47	-29.47	-29.45	-29.44	-29.45	-29.45	-29.44
31	-29.45	-29.44	-29.42	-29.41	-29.41	-29.42	-29.42	-29.43	-29.44	-29.44	-29.46	-29.46	-29.46	-29.48	-29.48	-29.48	-29.48	-29.47	-29.48	-29.47	-29.45	-29.44	-29.45	-29.45	-29.45
Mean	-29.45	-29.43	-29.43	-29.41	-29.40	-29.41	-29.41	-29.42	-29.44	-29.45	-29.46	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.47	-29.48	-29.48	-29.46	-29.44	-29.44	-29.44	-29.45
Q	-29.45	-29.44	-29.42	-29.41	-29.40	-29.40	-29.40	-29.41	-29.43	-29.44	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.46	-29.47	-29.47	-29.46	-29.43	-29.44	-29.44	-29.44
D	-29.45	-29.43	-29.43	-29.41	-29.40	-29.39	-29.41	-29.42	-29.44	-29.45	-29.46	-29.47	-29.47	-29.46	-29.46	-29.47	-29.49	-29.48	-29.49	-29.49	-29.47	-29.45	-29.45	-29.46	-29.45

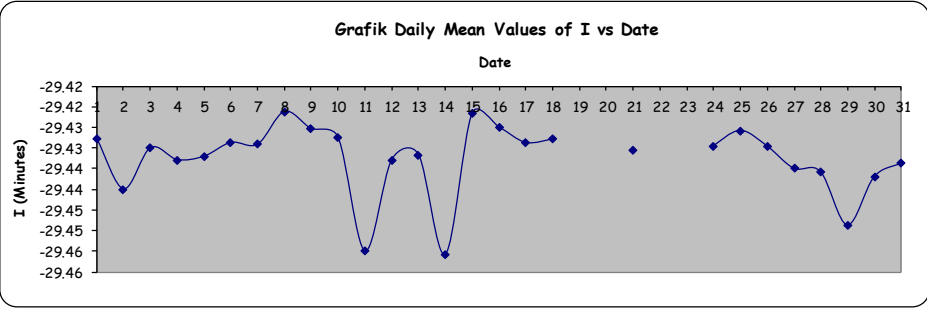
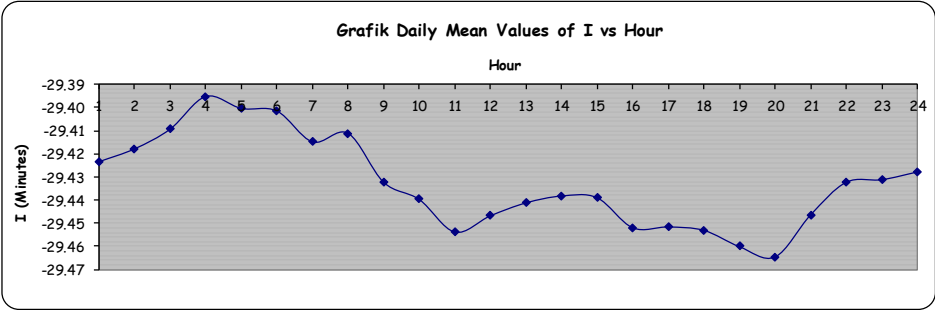




TANGERANG MAGNETIC OBSERVATORY																									April-19
DATE	HOURLY MEAN VALUES OF I : Tabular values in Degrees																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1																									
2																									
3																									
4																									
5D	-29.44	-29.43	-29.43	-29.42	-29.42	-29.43	-29.44	-29.46	-29.47	-29.47	-29.47	-29.47	-29.46	-29.45	-29.47	-29.48	-29.47	-29.46	-29.48	-29.47	-29.45	-29.44	-29.44	-29.45	-29.45
6	-29.45	-29.44	-29.42	-29.41	-29.41	-29.41	-29.42	-29.43	-29.46	-29.46	-29.46	-29.46	-29.45	-29.45	-29.46	-29.47	-29.47	-29.47	-29.48	-29.48	-29.47	-29.46	-29.46	-29.46	-29.45
7	-29.45	-29.43	-29.42	-29.40	-29.40	-29.41	-29.43	-29.43	-29.45	-29.45	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.47	-29.46	-29.46	-29.48	-29.46	-29.44	-29.45	-29.44	-29.45
8D	-29.44	-29.42	-29.42	-29.40	-29.41	-29.43	-29.42	-29.43	-29.44	-29.46	-29.46	-29.45	-29.43	-29.46	-29.46	-29.46	-29.47	-29.48	-29.49	-29.49	-29.48	-29.46	-29.45	-29.45	-29.45
9	-29.44	-29.43	-29.43	-29.41	-29.41	-29.42	-29.44	-29.43	-29.45	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.48	-29.48	-29.48	-29.47	-29.47	-29.47	-29.44	-29.44	-29.44	-29.45
10D	-29.44	-29.44	-29.42	-29.42	-29.42	-29.44	-29.44	-29.42	-29.44	-29.44	-29.46	-29.46	-29.46	-29.45	-29.46	-29.49	-29.48	-29.46	-29.46	-29.49	-29.47	-29.45	-29.46	-29.45	-29.45
11	-29.45	-29.43	-29.42	-29.40	-29.40	-29.40	-29.43	-29.44	-29.46	-29.46	-29.47	-29.47	-29.46	-29.46	-29.46	-29.48	-29.47	-29.47	-29.48	-29.48	-29.46	-29.44	-29.45	-29.44	-29.45
12																									
13	-29.44	-29.43	-29.41	-29.40	-29.41	-29.41	-29.42	-29.42	-29.45	-29.45	-29.46	-29.46	-29.46	-29.46	-29.45	-29.46	-29.46	-29.47	-29.48	-29.47	-29.47	-29.45	-29.45	-29.44	-29.45
14	-29.43	-29.42	-29.41	-29.39	-29.40	-29.39	-29.42	-29.42	-29.44	-29.43	-29.45	-29.45	-29.45	-29.44	-29.45	-29.47	-29.46	-29.46	-29.47	-29.47	-29.44	-29.44	-29.43	-29.43	-29.44
15	-29.43	-29.42	-29.42	-29.39	-29.39	-29.40	-29.42	-29.42	-29.45	-29.45	-29.47	-29.46	-29.46	-29.45	-29.45	-29.46	-29.46	-29.48	-29.47	-29.48	-29.48	-29.45	-29.45	-29.45	-29.44
16	-29.44	-29.43	-29.42	-29.40	-29.40	-29.40	-29.42	-29.42	-29.45	-29.44	-29.46	-29.45	-29.45	-29.45	-29.45	-29.47	-29.47	-29.46	-29.47	-29.48	-29.45	-29.44	-29.45	-29.45	-29.44
17	-29.43	-29.42	-29.40	-29.37	-29.38	-29.37	-29.39	-29.40	-29.43	-29.43	-29.44	-29.45	-29.45	-29.45	-29.45	-29.46	-29.47	-29.46	-29.48	-29.48	-29.45	-29.44	-29.44	-29.44	-29.43
18Q	-29.44	-29.43	-29.41	-29.38	-29.39	-29.39	-29.41	-29.41	-29.44	-29.43	-29.45	-29.45	-29.44	-29.43	-29.44	-29.46	-29.46	-29.46	-29.47	-29.47	-29.44	-29.41	-29.42	-29.41	-29.43
19	-29.43	-29.41	-29.41	-29.41	-29.38	-29.40	-29.41	-29.41	-29.43	-29.43	-29.45	-29.45	-29.45	-29.44	-29.45	-29.46	-29.46	-29.46	-29.47	-29.46	-29.45	-29.42	-29.43	-29.44	-29.43
20Q	-29.43	-29.42	-29.41	-29.38	-29.39	-29.39	-29.42	-29.42	-29.43	-29.43	-29.45	-29.44	-29.44	-29.44	-29.44	-29.46	-29.46	-29.46	-29.46	-29.47	-29.45	-29.43	-29.44	-29.44	-29.43
21Q	-29.44	-29.42	-29.41	-29.39	-29.39	-29.39	-29.41	-29.40	-29.43	-29.44	-29.46	-29.46	-29.46	-29.45	-29.45	-29.46	-29.46	-29.46	-29.47	-29.47	-29.44	-29.43	-29.44	-29.44	-29.44
22Q	-29.43	-29.42	-29.41	-29.39	-29.39	-29.39	-29.41	-29.40	-29.42	-29.42	-29.45	-29.45	-29.45	-29.44	-29.44	-29.46	-29.45	-29.46	-29.47	-29.47	-29.45	-29.43	-29.43	-29.43	-29.43
23D	-29.43	-29.42	-29.40	-29.38	-29.39	-29.40	-29.40	-29.39	-29.42	-29.43	-29.45	-29.44	-29.45	-29.45	-29.45	-29.47	-29.47	-29.46	-29.46	-29.46	-29.45	-29.44	-29.43	-29.43	-29.43
24	-29.43	-29.43	-29.41	-29.40	-29.40	-29.39	-29.39	-29.39	-29.41	-29.43	-29.46	-29.46	-29.46	-29.46	-29.45	-29.45	-29.46	-29.47	-29.48	-29.48	-29.45	-29.44	-29.43	-29.43	-29.44
25	-29.42	-29.41	-29.42	-29.40	-29.40	-29.40	-29.41	-29.40	-29.42	-29.44	-29.46	-29.46	-29.47	-29.45	-29.45	-29.46	-29.46	-29.46	-29.47	-29.47	-29.45	-29.42	-29.42	-29.42	-29.43
26	-29.42	-29.42	-29.40	-29.37	-29.38	-29.37	-29.39	-29.39	-29.42	-29.43	-29.45	-29.44	-29.44	-29.44	-29.44	-29.46	-29.45	-29.47	-29.47	-29.47	-29.44	-29.42	-29.42	-29.44	-29.43
27																									
28																									
29																									
30	-29.42	-29.42	-29.41	-29.39	-29.39	-29.39	-29.40	-29.40	-29.42	-29.42	-29.44	-29.44	-29.44	-29.44	-29.43	-29.45	-29.45	-29.44	-29.45	-29.46	-29.43	-29.42	-29.42	-29.42	-29.42
Mean	-29.44	-29.42	-29.41	-29.40	-29.40	-29.40	-29.42	-29.42	-29.44	-29.44	-29.46	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.46	-29.47	-29.47	-29.45	-29.44	-29.44	-29.44	-29.44
Q	-29.44	-29.42	-29.41	-29.39	-29.39	-29.39	-29.41	-29.41	-29.43	-29.43	-29.45	-29.45	-29.45	-29.44	-29.44	-29.46	-29.46	-29.46	-29.47	-29.47	-29.45	-29.43	-29.43	-29.43	-29.43
D	-29.44	-29.43	-29.42	-29.41	-29.41	-29.43	-29.43	-29.43	-29.44	-29.45	-29.46	-29.46	-29.45	-29.45	-29.46	-29.48	-29.47	-29.47	-29.47	-29.48	-29.46	-29.45	-29.45	-29.45	-29.45



TANGERANG MAGNETIC OBSERVATORY																									May-19
DATE	HOURLY MEAN VALUES OF I : Tabular values in Degrees																							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	-29.42	-29.42	-29.41	-29.39	-29.39	-29.38	-29.40	-29.40	-29.42	-29.42	-29.44	-29.44	-29.43	-29.44	-29.44	-29.45	-29.45	-29.46	-29.44	-29.47	-29.46	-29.44	-29.43	-29.43	-29.43
2D	-29.43	-29.43	-29.43	-29.41	-29.43	-29.45	-29.42	-29.41	-29.44	-29.44	-29.46	-29.45	-29.44	-29.44	-29.45	-29.46	-29.46	-29.46	-29.45	-29.46	-29.45	-29.43	-29.43	-29.43	-29.43
3	-29.43	-29.42	-29.42	-29.40	-29.41	-29.41	-29.42	-29.42	-29.42	-29.43	-29.45	-29.45	-29.44	-29.43	-29.43	-29.45	-29.45	-29.44	-29.44	-29.45	-29.43	-29.42	-29.43	-29.43	-29.43
4	-29.43	-29.42	-29.40	-29.38	-29.39	-29.38	-29.41	-29.41	-29.45	-29.46	-29.46	-29.44	-29.44	-29.44	-29.44	-29.46	-29.45	-29.45	-29.46	-29.47	-29.44	-29.44	-29.44	-29.43	-29.43
5Q	-29.42	-29.42	-29.41	-29.39	-29.40	-29.41	-29.42	-29.42	-29.43	-29.43	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.44	-29.44	-29.44	-29.43	-29.43
6	-29.43	-29.42	-29.40	-29.38	-29.39	-29.39	-29.41	-29.41	-29.43	-29.43	-29.45	-29.44	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.45	-29.47	-29.47	-29.45	-29.43	-29.43	-29.43
7	-29.42	-29.42	-29.41	-29.39	-29.40	-29.40	-29.41	-29.40	-29.42	-29.42	-29.44	-29.44	-29.44	-29.44	-29.45	-29.46	-29.45	-29.46	-29.46	-29.46	-29.45	-29.42	-29.42	-29.42	-29.43
8	-29.42	-29.41	-29.41	-29.40	-29.40	-29.39	-29.40	-29.39	-29.41	-29.42	-29.44	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.43	-29.41	-29.42	-29.42	-29.42
9	-29.41	-29.41	-29.41	-29.38	-29.39	-29.38	-29.40	-29.40	-29.43	-29.43	-29.45	-29.43	-29.43	-29.43	-29.42	-29.44	-29.45	-29.45	-29.46	-29.46	-29.45	-29.43	-29.44	-29.43	-29.43
10	-29.43	-29.43	-29.42	-29.41	-29.40	-29.40	-29.41	-29.41	-29.43	-29.44	-29.45	-29.44	-29.44	-29.44	-29.43	-29.44	-29.44	-29.45	-29.45	-29.46	-29.46	-29.43	-29.41	-29.40	-29.40
11D	-29.40	-29.41	-29.43	-29.42	-29.42	-29.40	-29.41	-29.40	-29.45	-29.49	-29.50	-29.49	-29.51	-29.49	-29.48	-29.49	-29.48	-29.49	-29.49	-29.49	-29.47	-29.44	-29.44	-29.43	-29.46
12Q	-29.43	-29.42	-29.40	-29.38	-29.39	-29.38	-29.41	-29.41	-29.45	-29.46	-29.46	-29.44	-29.44	-29.44	-29.44	-29.46	-29.45	-29.45	-29.46	-29.47	-29.44	-29.44	-29.44	-29.43	-29.43
13	-29.41	-29.41	-29.39	-29.39	-29.40	-29.40	-29.42	-29.41	-29.43	-29.43	-29.46	-29.46	-29.44	-29.43	-29.44	-29.46	-29.46	-29.47	-29.47	-29.47	-29.44	-29.43	-29.42	-29.42	-29.43
14	-29.41	-29.42	-29.41	-29.39	-29.41	-29.47	-29.50	-29.49	-29.48	-29.46	-29.48	-29.47	-29.46	-29.46	-29.45	-29.48	-29.47	-29.46	-29.48	-29.48	-29.47	-29.44	-29.45	-29.45	-29.46
15	-29.44	-29.42	-29.41	-29.39	-29.39	-29.39	-29.40	-29.39	-29.42	-29.42	-29.45	-29.44	-29.42	-29.41	-29.42	-29.43	-29.45	-29.45	-29.45	-29.46	-29.44	-29.42	-29.41	-29.40	-29.42
16	-29.41	-29.41	-29.39	-29.38	-29.39	-29.39	-29.40	-29.40	-29.43	-29.44	-29.46	-29.44	-29.42	-29.42	-29.43	-29.44	-29.44	-29.46	-29.46	-29.45	-29.43	-29.43	-29.43	-29.44	-29.43
17	-29.44	-29.42	-29.41	-29.41	-29.39	-29.40	-29.40	-29.41	-29.42	-29.44	-29.44	-29.44	-29.43	-29.43	-29.44	-29.45	-29.44	-29.44	-29.46	-29.46	-29.45	-29.42	-29.43	-29.42	-29.43
18	-29.43	-29.42	-29.41	-29.39	-29.39	-29.39	-29.40	-29.40	-29.43	-29.44	-29.45	-29.44	-29.44	-29.44	-29.43	-29.45	-29.45	-29.44	-29.46	-29.46	-29.43	-29.42	-29.43	-29.43	-29.43
19																									
20																									
21Q	-29.43	-29.42	-29.42	-29.41	-29.41	-29.41	-29.42	-29.39	-29.42	-29.43	-29.44	-29.44	-29.44	-29.43	-29.43	-29.45	-29.45	-29.46	-29.46	-29.46	-29.44	-29.42	-29.43	-29.42	-29.43
22																									
23																									
24	-29.43	-29.42	-29.41	-29.40	-29.40	-29.39	-29.40	-29.40	-29.42	-29.43	-29.44	-29.45	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.46	-29.46	-29.46	-29.45	-29.42	-29.42	-29.43
25Q	-29.41	-29.41	-29.40	-29.39	-29.39	-29.39	-29.41	-29.41	-29.42	-29.42	-29.44	-29.44	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.46	-29.46	-29.45	-29.43	-29.43	-29.43	-29.43
26	-29.43	-29.42	-29.41	-29.40	-29.40	-29.40	-29.42	-29.42	-29.43	-29.43	-29.44	-29.44	-29.43	-29.43	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.44	-29.44	-29.41	-29.41	-29.43
27	-29.40	-29.40	-29.39	-29.37	-29.38	-29.39	-29.40	-29.42	-29.45	-29.46	-29.48	-29.46	-29.46	-29.45	-29.45	-29.46	-29.45	-29.45	-29.46	-29.47	-29.45	-29.45	-29.44	-29.45	-29.44
28	-29.44	-29.43	-29.42	-29.41	-29.41	-29.41	-29.42	-29.42	-29.43	-29.45	-29.45	-29.45	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.46	-29.46	-29.44	-29.43	-29.44	-29.43	-29.43
29D	-29.42	-29.42	-29.42	-29.42	-29.44	-29.44	-29.45	-29.44	-29.46	-29.47	-29.49	-29.47	-29.46	-29.45	-29.44	-29.46	-29.45	-29.46	-29.47	-29.47	-29.45	-29.44	-29.44	-29.44	-29.45
30	-29.44	-29.42	-29.42	-29.41	-29.41	-29.41	-29.42	-29.41	-29.43	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.46	-29.45	-29.46	-29.47	-29.45	-29.45	-29.45	-29.44	-29.44
31	-29.42	-29.41	-29.39	-29.38	-29.39	-29.39	-29.42	-29.41	-29.42	-29.44	-29.45	-29.45	-29.45	-29.44	-29.45	-29.46	-29.46	-29.46	-29.46	-29.47	-29.45	-29.45	-29.45	-29.44	-29.43
Mean	-29.42	-29.42	-29.41	-29.40	-29.40	-29.40	-29.41	-29.41	-29.43	-29.44	-29.45	-29.45	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.45	-29.43	-29.43	-29.43	-29.43
Q	-29.42	-29.42	-29.41	-29.39	-29.40	-29.40	-29.42	-29.41	-29.43	-29.44	-29.45	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.44	-29.43	-29.44	-29.43	-29.43
D	-29.42	-29.42	-29.42	-29.41	-29.42	-29.42	-29.42	-29.41	-29.44	-29.46	-29.47	-29.46	-29.46	-29.46	-29.45	-29.47	-29.46	-29.47	-29.46	-29.47	-29.46	-29.44	-29.44	-29.43	-29.44

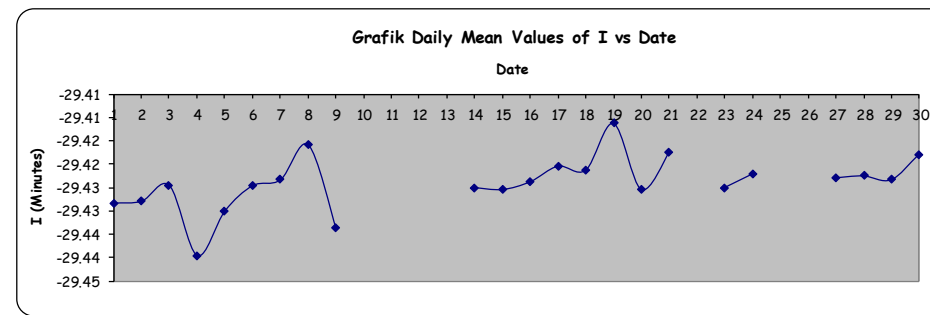
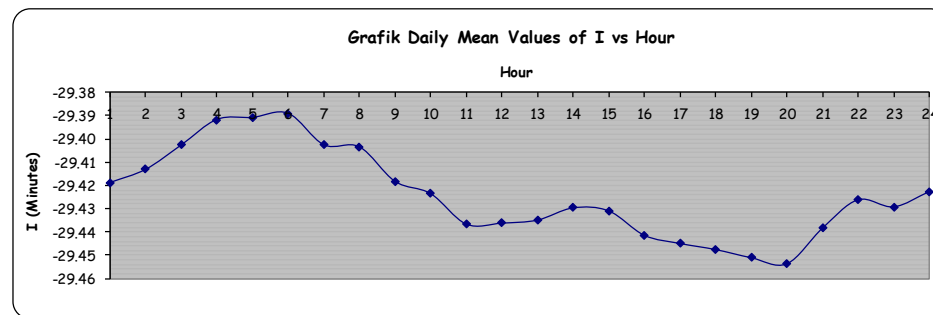


INCLINATION
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

June-19

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	-29.43	-29.43	-29.42	-29.40	-29.40	-29.39	-29.40	-29.39	-29.42	-29.42	-29.44	-29.44	-29.44	-29.43	-29.43	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.44	-29.43	-29.42	-29.43
2Q	-29.42	-29.41	-29.41	-29.40	-29.40	-29.39	-29.40	-29.40	-29.41	-29.43	-29.45	-29.44	-29.44	-29.44	-29.44	-29.45	-29.46	-29.45	-29.44	-29.45	-29.44	-29.43	-29.44	-29.43	-29.43
3	-29.43	-29.42	-29.41	-29.39	-29.40	-29.39	-29.40	-29.40	-29.41	-29.41	-29.42	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.44	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42	-29.42
4D	-29.42	-29.41	-29.41	-29.40	-29.39	-29.40	-29.42	-29.42	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.46	-29.48	-29.48	-29.48	-29.48	-29.47	-29.46	-29.45	-29.44	-29.44
5	-29.43	-29.42	-29.41	-29.39	-29.39	-29.39	-29.40	-29.41	-29.42	-29.42	-29.44	-29.45	-29.45	-29.44	-29.44	-29.45	-29.46	-29.46	-29.46	-29.46	-29.44	-29.43	-29.43	-29.43	-29.43
6Q	-29.42	-29.41	-29.40	-29.39	-29.40	-29.39	-29.41	-29.40	-29.41	-29.42	-29.43	-29.43	-29.44	-29.43	-29.44	-29.44	-29.44	-29.44	-29.45	-29.46	-29.44	-29.43	-29.44	-29.43	-29.42
7	-29.43	-29.42	-29.41	-29.40	-29.40	-29.40	-29.42	-29.44	-29.42	-29.41	-29.43	-29.43	-29.42	-29.42	-29.40	-29.43	-29.44	-29.44	-29.45	-29.46	-29.44	-29.42	-29.42	-29.41	-29.42
8D	-29.41	-29.41	-29.40	-29.38	-29.38	-29.38	-29.40	-29.40	-29.42	-29.42	-29.42	-29.42	-29.42	-29.41	-29.40	-29.43	-29.41	-29.45	-29.45	-29.46	-29.44	-29.42	-29.42	-29.43	-29.42
9D	-29.43	-29.42	-29.42	-29.41	-29.41	-29.40	-29.42	-29.42	-29.42	-29.43	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.45	-29.44	-29.44	-29.43	-29.43
10																									
11																									
12																									
13																									
14D	-29.41	-29.42	-29.40	-29.39	-29.40	-29.39	-29.41	-29.41	-29.42	-29.43	-29.45	-29.43	-29.43	-29.44	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42	-29.43
15	-29.41	-29.40	-29.39	-29.40	-29.40	-29.41	-29.42	-29.41	-29.42	-29.43	-29.44	-29.44	-29.44	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.44	-29.41	-29.42	-29.42	-29.43
16Q	-29.42	-29.42	-29.40	-29.40	-29.39	-29.40	-29.42	-29.41	-29.43	-29.43	-29.43	-29.44	-29.43	-29.42	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.43	-29.41	-29.42	-29.41	-29.42
17	-29.41	-29.40	-29.39	-29.38	-29.38	-29.39	-29.40	-29.39	-29.41	-29.42	-29.44	-29.44	-29.44	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.42	-29.42	-29.42	-29.42
18	-29.41	-29.41	-29.40	-29.39	-29.39	-29.39	-29.40	-29.39	-29.41	-29.42	-29.43	-29.43	-29.43	-29.42	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.43	-29.43	-29.42	-29.42
19	-29.42	-29.40	-29.39	-29.38	-29.37	-29.36	-29.36	-29.38	-29.40	-29.41	-29.43	-29.43	-29.43	-29.42	-29.42	-29.43	-29.44	-29.44	-29.44	-29.44	-29.43	-29.41	-29.42	-29.42	-29.41
20	-29.42	-29.41	-29.40	-29.39	-29.39	-29.39	-29.41	-29.42	-29.44	-29.44	-29.45	-29.45	-29.43	-29.42	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.43	-29.42	-29.43	-29.42	-29.43
21	-29.41	-29.41	-29.38	-29.37	-29.38	-29.38	-29.39	-29.39	-29.41	-29.43	-29.44	-29.43	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.45	-29.45	-29.42	-29.41	-29.42	-29.42	-29.42
22																									
23	-29.41	-29.41	-29.40	-29.38	-29.39	-29.39	-29.41	-29.41	-29.42	-29.42	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.44	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42	-29.43
24	-29.41	-29.40	-29.39	-29.39	-29.39	-29.39	-29.40	-29.40	-29.42	-29.42	-29.44	-29.44	-29.44	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.43	-29.43	-29.43	-29.42	-29.42
25																									
26																									
27	-29.42	-29.42	-29.42	-29.40	-29.39	-29.38	-29.39	-29.39	-29.41	-29.42	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.42	-29.42	-29.43	-29.42	-29.42
28	-29.42	-29.42	-29.41	-29.40	-29.39	-29.39	-29.39	-29.39	-29.41	-29.42	-29.43	-29.43	-29.43	-29.42	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.44	-29.43	-29.43	-29.43	-29.42
29Q	-29.42	-29.42	-29.41	-29.40	-29.39	-29.39	-29.40	-29.41	-29.43	-29.43	-29.44	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.44	-29.44	-29.45	-29.42	-29.42	-29.43	-29.42	-29.42
30	-29.42	-29.41	-29.39	-29.38	-29.37	-29.37	-29.39	-29.40	-29.42	-29.42	-29.43	-29.43	-29.43	-29.42	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.42	-29.43	-29.43	-29.42	-29.42
Mean	-29.42	-29.41	-29.40	-29.39	-29.39	-29.39	-29.40	-29.40	-29.42	-29.42	-29.44	-29.44	-29.43	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42	-29.42
Q	-29.42	-29.42	-29.41	-29.40	-29.40	-29.39	-29.41	-29.41	-29.42	-29.43	-29.44	-29.44	-29.44	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.43	-29.42	-29.43	-29.42	-29.42
D	-29.42	-29.42	-29.41	-29.40	-29.40	-29.39	-29.41	-29.41	-29.43	-29.43	-29.44	-29.43	-29.43	-29.43	-29.43	-29.45	-29.45	-29.46	-29.46	-29.46	-29.45	-29.44	-29.44	-29.43	-29.43

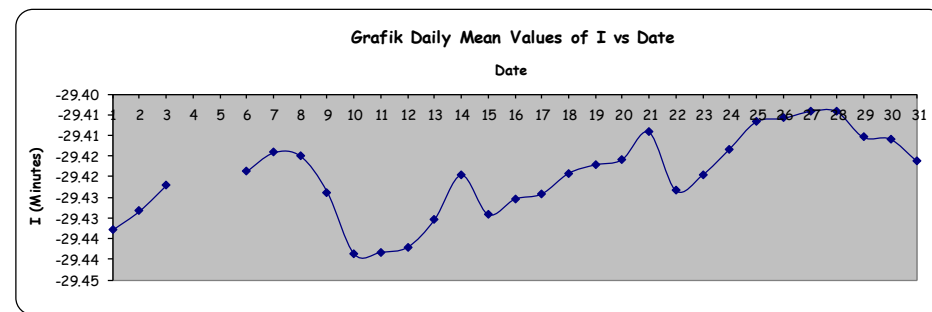
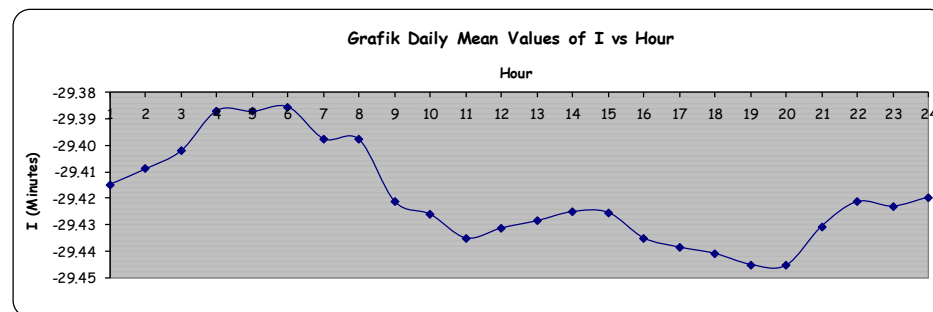


INCLINATION
HOURLY MEAN VALUES OF I : Tabular values in Degrees

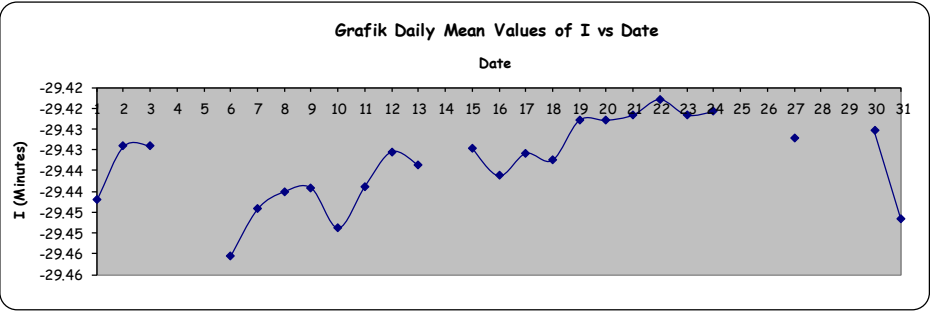
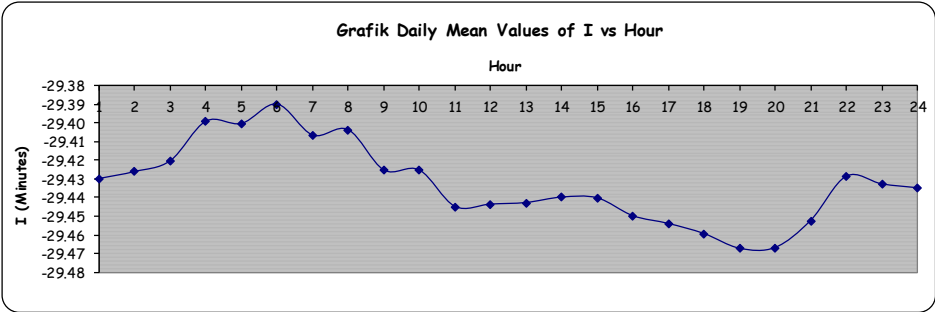
TANGERANG MAGNETIC OBSERVATORY

July-19

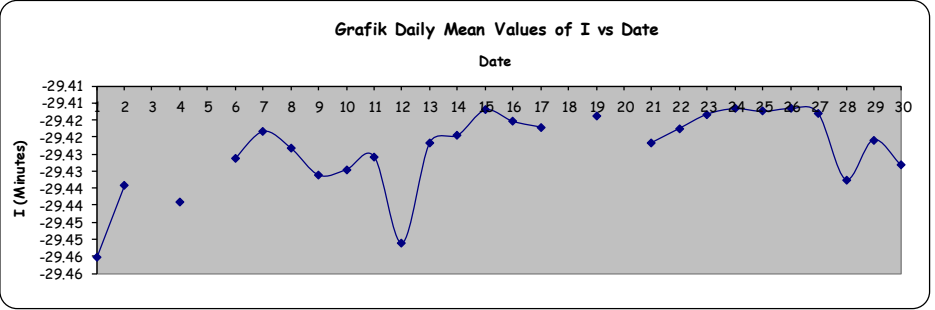
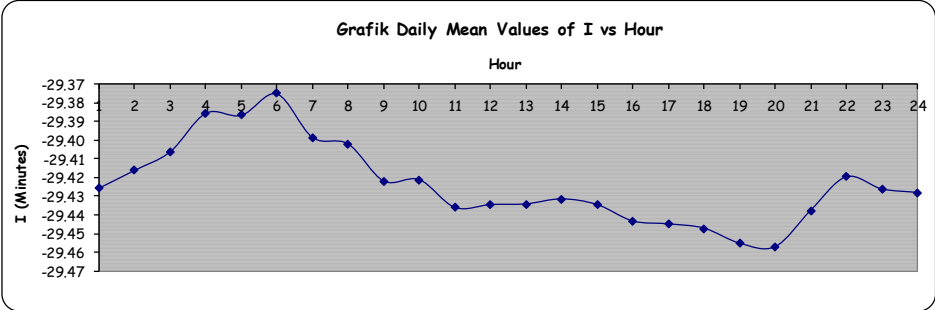
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	-29.42	-29.42	-29.42	-29.41	-29.41	-29.40	-29.42	-29.42	-29.44	-29.44	-29.45	-29.44	-29.44	-29.43	-29.44	-29.45	-29.44	-29.44	-29.45	-29.45	-29.46	-29.43	-29.44	-29.43	-29.43
2	-29.43	-29.42	-29.41	-29.40	-29.38	-29.40	-29.41	-29.41	-29.43	-29.43	-29.44	-29.43	-29.44	-29.43	-29.44	-29.45	-29.45	-29.46	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42	-29.43
3	-29.42	-29.41	-29.40	-29.39	-29.39	-29.39	-29.40	-29.41	-29.43	-29.43	-29.44	-29.43	-29.42	-29.42	-29.42	-29.43	-29.43	-29.45	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42	-29.42
4																									
5																									
6Q	-29.42	-29.40	-29.40	-29.40	-29.40	-29.40	-29.41	-29.40	-29.42	-29.42	-29.43	-29.43	-29.42	-29.42	-29.42	-29.43	-29.43	-29.43	-29.45	-29.45	-29.42	-29.41	-29.42	-29.42	-29.42
7	-29.41	-29.40	-29.39	-29.38	-29.37	-29.37	-29.38	-29.38	-29.41	-29.41	-29.43	-29.43	-29.43	-29.42	-29.43	-29.43	-29.44	-29.44	-29.45	-29.43	-29.43	-29.42	-29.42	-29.42	-29.41
8	-29.41	-29.40	-29.40	-29.38	-29.37	-29.38	-29.39	-29.40	-29.42	-29.43	-29.44	-29.44	-29.43	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.43	-29.40	-29.40	-29.40	-29.40	-29.42
9D	-29.41	-29.41	-29.39	-29.37	-29.39	-29.40	-29.40	-29.40	-29.43	-29.45	-29.45	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.44	-29.44	-29.46	-29.43	-29.43	-29.44	-29.43	-29.42
10D	-29.42	-29.41	-29.39	-29.37	-29.39	-29.42	-29.43	-29.44	-29.46	-29.49	-29.48	-29.46	-29.45	-29.45	-29.45	-29.45	-29.45	-29.45	-29.45	-29.45	-29.44	-29.44	-29.45	-29.44	-29.44
11D	-29.43	-29.43	-29.43	-29.41	-29.41	-29.42	-29.42	-29.41	-29.45	-29.44	-29.45	-29.45	-29.45	-29.44	-29.44	-29.45	-29.45	-29.46	-29.46	-29.46	-29.44	-29.44	-29.44	-29.44	-29.44
12	-29.43	-29.43	-29.43	-29.42	-29.41	-29.41	-29.42	-29.41	-29.44	-29.45	-29.45	-29.45	-29.45	-29.44	-29.44	-29.44	-29.45	-29.45	-29.46	-29.46	-29.45	-29.43	-29.44	-29.43	-29.44
13	-29.43	-29.42	-29.42	-29.40	-29.40	-29.39	-29.41	-29.41	-29.43	-29.44	-29.45	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.46	-29.45	-29.45	-29.43	-29.43	-29.43	-29.43	-29.43
14	-29.42	-29.41	-29.41	-29.40	-29.40	-29.38	-29.39	-29.39	-29.42	-29.42	-29.43	-29.43	-29.43	-29.43	-29.43	-29.43	-29.43	-29.44	-29.45	-29.44	-29.42	-29.42	-29.42	-29.43	-29.42
15	-29.42	-29.43	-29.42	-29.41	-29.42	-29.40	-29.40	-29.40	-29.41	-29.42	-29.44	-29.45	-29.43	-29.43	-29.44	-29.45	-29.46	-29.45	-29.45	-29.45	-29.43	-29.43	-29.43	-29.43	-29.43
16	-29.42	-29.42	-29.41	-29.40	-29.40	-29.39	-29.40	-29.41	-29.43	-29.43	-29.44	-29.44	-29.44	-29.43	-29.43	-29.44	-29.45	-29.44	-29.45	-29.45	-29.44	-29.42	-29.42	-29.41	-29.43
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18	-29.42	-29.41	-29.40	-29.38	-29.39	-29.38	-29.40	-29.39	-29.41	-29.42	-29.43	-29.43	-29.43	-29.42	-29.42	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.43	-29.42	-29.42	-29.42
19Q	-29.42	-29.42	-29.41	-29.38	-29.38	-29.37	-29.40	-29.40	-29.42	-29.42	-29.43	-29.43	-29.42	-29.41	-29.42	-29.43	-29.44	-29.45	-29.45	-29.45	-29.43	-29.41	-29.41	-29.41	-29.42
20Q	-29.41	-29.40	-29.40	-29.38	-29.38	-29.38	-29.41	-29.41	-29.43	-29.42	-29.43	-29.43	-29.43	-29.42	-29.42	-29.43	-29.43	-29.43	-29.44	-29.44	-29.42	-29.41	-29.42	-29.41	-29.42
21	-29.41	-29.40	-29.39	-29.37	-29.38	-29.36	-29.39	-29.38	-29.41	-29.41	-29.43	-29.43	-29.42	-29.42	-29.43	-29.44	-29.44	-29.43	-29.44	-29.43	-29.42	-29.41	-29.40	-29.38	-29.41
22	-29.38	-29.39	-29.40	-29.39	-29.38	-29.39	-29.40	-29.40	-29.43	-29.45	-29.45	-29.44	-29.44	-29.44	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.43	-29.43	-29.43	-29.43	-29.42
23	-29.43	-29.43	-29.42	-29.40	-29.39	-29.39	-29.40	-29.39	-29.42	-29.42	-29.42	-29.41	-29.41	-29.43	-29.42	-29.43	-29.44	-29.44	-29.44	-29.44	-29.43	-29.42	-29.42	-29.43	-29.42
24	-29.42	-29.41	-29.40	-29.38	-29.37	-29.37	-29.39	-29.38	-29.41	-29.42	-29.43	-29.42	-29.42	-29.42	-29.41	-29.43	-29.43	-29.44	-29.44	-29.45	-29.42	-29.42	-29.42	-29.42	-29.41
25	-29.41	-29.40	-29.40	-29.37	-29.37	-29.36	-29.38	-29.38	-29.40	-29.41	-29.42	-29.42	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.42	-29.41	-29.41	-29.41	-29.41
26Q	-29.40	-29.39	-29.39	-29.37	-29.38	-29.37	-29.38	-29.38	-29.41	-29.42	-29.42	-29.42	-29.41	-29.40	-29.40	-29.42	-29.42	-29.43	-29.43	-29.43	-29.43	-29.41	-29.42	-29.41	-29.41
27	-29.40	-29.39	-29.38	-29.36	-29.36	-29.36	-29.37	-29.38	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.42	-29.41	-29.42	-29.42	-29.40
28	-29.40	-29.39	-29.38	-29.35	-29.36	-29.36	-29.38	-29.39	-29.41	-29.41	-29.42	-29.42	-29.42	-29.40	-29.40	-29.42	-29.42	-29.43	-29.44	-29.44	-29.43	-29.41	-29.41	-29.41	-29.40
29	-29.40	-29.41	-29.39	-29.37	-29.38	-29.37	-29.37	-29.38	-29.40	-29.41	-29.42	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.44	-29.44	-29.44	-29.43	-29.42	-29.42	-29.42	-29.41
30D	-29.42	-29.41	-29.39	-29.38	-29.38	-29.37	-29.38	-29.37	-29.39	-29.40	-29.42	-29.42	-29.42	-29.42	-29.42	-29.44	-29.44	-29.44	-29.44	-29.44	-29.43	-29.42	-29.41	-29.41	-29.41
31	-29.41	-29.40	-29.39	-29.40	-29.39	-29.39	-29.40	-29.41	-29.43	-29.42	-29.43	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.43	-29.43	-29.43	-29.43	-29.42	-29.42	-29.42	-29.42
Mean	-29.41	-29.41	-29.40	-29.39	-29.39	-29.39	-29.40	-29.40	-29.42	-29.43	-29.44	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.43	-29.42	-29.42	-29.42	-29.42
Q	-29.41	-29.40	-29.40	-29.38	-29.39	-29.38	-29.40	-29.40	-29.42	-29.42	-29.43	-29.43	-29.42	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.44	-29.43	-29.41	-29.42	-29.41	-29.41
D	-29.42	-29.42	-29.40	-29.38	-29.39	-29.40	-29.41	-29.41	-29.43	-29.45	-29.45	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.45	-29.44	-29.43	-29.44	-29.43	-29.43



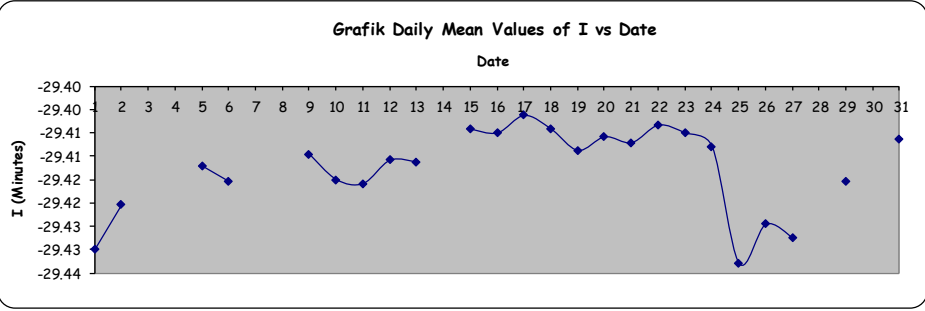
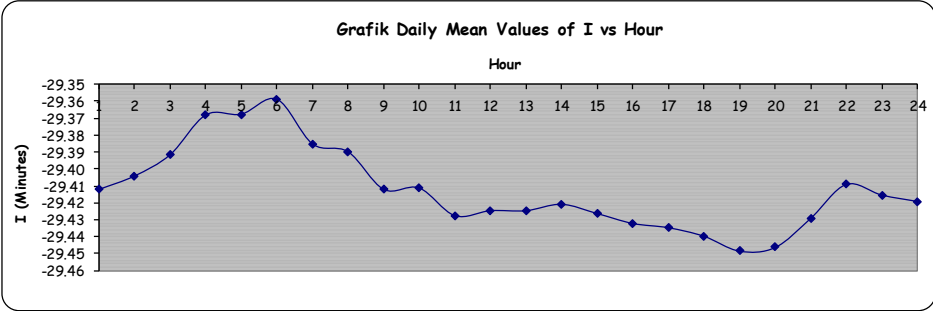
TANGERANG MAGNETIC OBSERVATORY																									
INCLINATION																									
HOURLY MEAN VALUES OF I : Tabular values in Degrees																									
August-19																									
DATE	HOURLY																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	-29.45	-29.45	-29.45	-29.43	-29.42	-29.41	-29.42	-29.42	-29.44	-29.44	-29.45	-29.45	-29.45	-29.44	-29.45	-29.45	-29.46	-29.46	-29.46	-29.45	-29.43	-29.44	-29.44	-29.44	-29.44
2Q	-29.43	-29.43	-29.41	-29.38	-29.38	-29.38	-29.40	-29.41	-29.44	-29.44	-29.45	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.43	-29.42	-29.43	-29.44	-29.43
3Q	-29.43	-29.42	-29.41	-29.40	-29.40	-29.39	-29.40	-29.40	-29.42	-29.42	-29.44	-29.44	-29.43	-29.43	-29.44	-29.44	-29.45	-29.46	-29.47	-29.47	-29.44	-29.43	-29.43	-29.44	-29.43
4																									
5																									
6D	-29.45	-29.45	-29.45	-29.43	-29.44	-29.43	-29.43	-29.42	-29.45	-29.45	-29.47	-29.47	-29.46	-29.45	-29.46	-29.46	-29.47	-29.48	-29.48	-29.48	-29.48	-29.45	-29.46	-29.46	-29.46
7	-29.44	-29.44	-29.43	-29.41	-29.41	-29.39	-29.42	-29.42	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.47	-29.48	-29.48	-29.48	-29.44	-29.45	-29.45	-29.44
8	-29.44	-29.43	-29.42	-29.40	-29.40	-29.39	-29.42	-29.42	-29.43	-29.43	-29.45	-29.44	-29.44	-29.45	-29.45	-29.46	-29.46	-29.47	-29.47	-29.47	-29.48	-29.44	-29.45	-29.45	-29.44
9	-29.44	-29.43	-29.42	-29.41	-29.41	-29.41	-29.43	-29.44	-29.44	-29.43	-29.44	-29.44	-29.44	-29.45	-29.44	-29.45	-29.46	-29.46	-29.47	-29.47	-29.46	-29.43	-29.43	-29.44	-29.44
10	-29.44	-29.44	-29.44	-29.43	-29.44	-29.42	-29.44	-29.43	-29.45	-29.44	-29.46	-29.45	-29.45	-29.45	-29.45	-29.46	-29.47	-29.47	-29.48	-29.47	-29.46	-29.43	-29.45	-29.45	-29.45
11	-29.45	-29.44	-29.43	-29.42	-29.42	-29.40	-29.41	-29.41	-29.43	-29.42	-29.45	-29.45	-29.46	-29.45	-29.45	-29.45	-29.46	-29.46	-29.47	-29.47	-29.44	-29.43	-29.43	-29.43	-29.44
12	-29.43	-29.42	-29.41	-29.39	-29.40	-29.39	-29.40	-29.39	-29.42	-29.42	-29.44	-29.43	-29.44	-29.44	-29.44	-29.46	-29.45	-29.46	-29.47	-29.47	-29.47	-29.43	-29.43	-29.43	-29.43
13	-29.42	-29.43	-29.42	-29.40	-29.40	-29.39	-29.40	-29.40	-29.42	-29.42	-29.45	-29.45	-29.44	-29.44	-29.44	-29.46	-29.46	-29.46	-29.47	-29.47	-29.46	-29.43	-29.44	-29.44	-29.43
14																									
15Q	-29.43	-29.43	-29.43	-29.40	-29.40	-29.39	-29.41	-29.41	-29.43	-29.43	-29.45	-29.44	-29.44	-29.43	-29.43	-29.45	-29.45	-29.44	-29.46	-29.46	-29.43	-29.42	-29.42	-29.43	-29.43
16	-29.43	-29.43	-29.42	-29.39	-29.39	-29.39	-29.40	-29.41	-29.44	-29.45	-29.46	-29.45	-29.45	-29.44	-29.44	-29.45	-29.46	-29.46	-29.47	-29.47	-29.45	-29.44	-29.44	-29.44	-29.44
17	-29.44	-29.42	-29.42	-29.41	-29.42	-29.40	-29.41	-29.40	-29.42	-29.42	-29.44	-29.44	-29.45	-29.44	-29.44	-29.45	-29.43	-29.44	-29.46	-29.47	-29.44	-29.42	-29.43	-29.43	-29.43
18	-29.43	-29.44	-29.44	-29.41	-29.41	-29.40	-29.42	-29.41	-29.42	-29.42	-29.44	-29.44	-29.43	-29.43	-29.44	-29.44	-29.46	-29.46	-29.46	-29.47	-29.44	-29.42	-29.42	-29.43	-29.43
19Q	-29.42	-29.42	-29.42	-29.39	-29.39	-29.38	-29.39	-29.38	-29.41	-29.40	-29.43	-29.43	-29.43	-29.43	-29.42	-29.44	-29.45	-29.46	-29.47	-29.47	-29.45	-29.42	-29.42	-29.43	-29.42
20	-29.43	-29.42	-29.41	-29.39	-29.39	-29.36	-29.38	-29.38	-29.41	-29.41	-29.43	-29.43	-29.43	-29.43	-29.43	-29.45	-29.45	-29.46	-29.47	-29.47	-29.45	-29.42	-29.43	-29.42	-29.42
21	-29.43	-29.42	-29.42	-29.39	-29.39	-29.37	-29.39	-29.37	-29.39	-29.40	-29.43	-29.43	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.46	-29.46	-29.46	-29.43	-29.42	-29.43	-29.42
22	-29.42	-29.42	-29.41	-29.37	-29.37	-29.36	-29.38	-29.38	-29.41	-29.40	-29.42	-29.43	-29.43	-29.43	-29.43	-29.44	-29.45	-29.46	-29.47	-29.46	-29.44	-29.41	-29.42	-29.42	-29.42
23	-29.41	-29.40	-29.39	-29.37	-29.38	-29.37	-29.40	-29.40	-29.43	-29.42	-29.44	-29.44	-29.43	-29.43	-29.44	-29.44	-29.44	-29.46	-29.46	-29.46	-29.45	-29.42	-29.42	-29.42	-29.42
24	-29.42	-29.42	-29.41	-29.39	-29.38	-29.37	-29.38	-29.38	-29.40	-29.41	-29.44	-29.43	-29.43	-29.43	-29.42	-29.44	-29.45	-29.45	-29.46	-29.46	-29.44	-29.43	-29.43	-29.43	-29.42
25																									
26																									
27D	-29.41	-29.41	-29.40	-29.37	-29.38	-29.39	-29.40	-29.40	-29.42	-29.43	-29.46	-29.47	-29.46	-29.44	-29.43	-29.44	-29.45	-29.45	-29.46	-29.46	-29.44	-29.42	-29.43	-29.43	-29.43
28																									
29																									
30D	-29.42	-29.42	-29.41	-29.39	-29.38	-29.37	-29.39	-29.38	-29.42	-29.42	-29.43	-29.43	-29.43	-29.44	-29.45	-29.46	-29.45	-29.46	-29.47	-29.46	-29.45	-29.43	-29.43	-29.42	-29.43
31D	-29.41	-29.40	-29.42	-29.41	-29.41	-29.41	-29.44	-29.43	-29.43	-29.45	-29.46	-29.48	-29.49	-29.46	-29.47	-29.46	-29.47	-29.48	-29.47	-29.47	-29.47	-29.45	-29.44	-29.44	-29.44
Mean	-29.43	-29.43	-29.42	-29.40	-29.40	-29.39	-29.41	-29.40	-29.43	-29.43	-29.45	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.46	-29.47	-29.47	-29.45	-29.43	-29.43	-29.44	-29.43
Q	-29.43	-29.43	-29.42	-29.39	-29.39	-29.39	-29.40	-29.40	-29.43	-29.42	-29.44	-29.44	-29.44	-29.43	-29.43	-29.45	-29.45	-29.45	-29.47	-29.47	-29.44	-29.42	-29.43	-29.44	-29.43
D	-29.42	-29.42	-29.42	-29.40	-29.40	-29.40	-29.42	-29.41	-29.43	-29.44	-29.46	-29.46	-29.46	-29.45	-29.45	-29.46	-29.46	-29.47	-29.47	-29.47	-29.46	-29.44	-29.44	-29.44	-29.44



TANGERANG MAGNETIC OBSERVATORY																									
INCLINATION																									
HOURLY MEAN VALUES OF I : Tabular values in Degrees																									
September-19																									
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	-29.45	-29.44	-29.43	-29.42	-29.46	-29.45	-29.46	-29.45	-29.45	-29.46	-29.48	-29.47	-29.46	-29.46	-29.47	-29.47	-29.47	-29.46	-29.46	-29.46	-29.46	-29.45	-29.45	-29.44	-29.46
2D	-29.44	-29.42	-29.42	-29.41	-29.41	-29.39	-29.41	-29.41	-29.42	-29.42	-29.44	-29.44	-29.44	-29.43	-29.44	-29.46	-29.46	-29.47	-29.46	-29.48	-29.47	-29.42	-29.43	-29.43	-29.43
3																									
4	-29.45	-29.46	-29.45	-29.41	-29.42	-29.41	-29.42	-29.42	-29.44	-29.44	-29.44	-29.44	-29.44	-29.43	-29.43	-29.45	-29.45	-29.46	-29.47	-29.46	-29.46	-29.43	-29.43	-29.43	-29.44
5																									
6	-29.42	-29.41	-29.40	-29.38	-29.38	-29.38	-29.41	-29.41	-29.43	-29.43	-29.45	-29.44	-29.43	-29.43	-29.42	-29.44	-29.45	-29.45	-29.47	-29.47	-29.44	-29.43	-29.43	-29.43	-29.43
7	-29.42	-29.41	-29.40	-29.38	-29.38	-29.36	-29.38	-29.39	-29.40	-29.41	-29.43	-29.44	-29.44	-29.43	-29.42	-29.43	-29.44	-29.45	-29.46	-29.46	-29.44	-29.42	-29.43	-29.42	-29.42
8	-29.42	-29.41	-29.39	-29.38	-29.37	-29.38	-29.41	-29.41	-29.43	-29.43	-29.44	-29.43	-29.43	-29.43	-29.44	-29.45	-29.44	-29.44	-29.45	-29.45	-29.45	-29.44	-29.43	-29.43	-29.42
9	-29.43	-29.43	-29.42	-29.41	-29.39	-29.38	-29.41	-29.41	-29.42	-29.42	-29.46	-29.47	-29.46	-29.44	-29.44	-29.45	-29.44	-29.45	-29.47	-29.46	-29.43	-29.41	-29.43	-29.42	-29.43
10Q	-29.42	-29.42	-29.42	-29.41	-29.41	-29.40	-29.41	-29.41	-29.42	-29.42	-29.43	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.45	-29.46	-29.46	-29.44	-29.42	-29.43	-29.44	-29.43
11	-29.43	-29.42	-29.41	-29.37	-29.36	-29.35	-29.39	-29.40	-29.42	-29.42	-29.43	-29.44	-29.44	-29.44	-29.44	-29.45	-29.45	-29.46	-29.46	-29.46	-29.46	-29.43	-29.44	-29.45	-29.43
12	-29.46	-29.46	-29.44	-29.44	-29.44	-29.44	-29.44	-29.44	-29.45	-29.47	-29.48	-29.47	-29.45	-29.45	-29.45	-29.45	-29.45	-29.46	-29.46	-29.46	-29.45	-29.45	-29.44	-29.43	-29.45
13	-29.42	-29.41	-29.41	-29.39	-29.39	-29.38	-29.39	-29.40	-29.41	-29.41	-29.43	-29.43	-29.42	-29.43	-29.43	-29.44	-29.44	-29.45	-29.46	-29.46	-29.44	-29.42	-29.43	-29.43	-29.42
14	-29.43	-29.42	-29.41	-29.38	-29.39	-29.37	-29.39	-29.38	-29.41	-29.42	-29.43	-29.43	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.43	-29.42	-29.43	-29.43	-29.42
15	-29.42	-29.41	-29.40	-29.36	-29.37	-29.36	-29.38	-29.39	-29.42	-29.41	-29.44	-29.43	-29.43	-29.42	-29.42	-29.43	-29.43	-29.45	-29.46	-29.46	-29.41	-29.39	-29.39	-29.41	-29.41
16	-29.41	-29.40	-29.40	-29.39	-29.39	-29.37	-29.38	-29.37	-29.40	-29.40	-29.42	-29.42	-29.42	-29.43	-29.43	-29.44	-29.46	-29.45	-29.46	-29.45	-29.43	-29.41	-29.42	-29.42	-29.42
17	-29.41	-29.41	-29.39	-29.37	-29.38	-29.37	-29.39	-29.41	-29.42	-29.42	-29.42	-29.42	-29.42	-29.42	-29.43	-29.44	-29.44	-29.45	-29.45	-29.46	-29.43	-29.42	-29.42	-29.42	-29.42
18																									
19Q	-29.42	-29.41	-29.40	-29.37	-29.37	-29.37	-29.38	-29.39	-29.41	-29.41	-29.42	-29.42	-29.43	-29.42	-29.42	-29.44	-29.44	-29.44	-29.45	-29.45	-29.42	-29.41	-29.42	-29.42	-29.41
20																									
21	-29.41	-29.39	-29.38	-29.36	-29.36	-29.35	-29.38	-29.38	-29.42	-29.43	-29.46	-29.46	-29.45	-29.44	-29.44	-29.45	-29.46	-29.45	-29.46	-29.46	-29.44	-29.42	-29.43	-29.44	-29.42
22Q	-29.43	-29.42	-29.42	-29.39	-29.39	-29.37	-29.38	-29.37	-29.40	-29.40	-29.42	-29.42	-29.44	-29.43	-29.44	-29.42	-29.44	-29.43	-29.45	-29.45	-29.43	-29.42	-29.43	-29.43	-29.42
23	-29.43	-29.43	-29.41	-29.38	-29.37	-29.35	-29.38	-29.39	-29.41	-29.41	-29.42	-29.42	-29.42	-29.41	-29.42	-29.44	-29.45	-29.44	-29.45	-29.45	-29.42	-29.40	-29.41	-29.41	-29.41
24	-29.41	-29.40	-29.39	-29.37	-29.37	-29.37	-29.41	-29.41	-29.43	-29.42	-29.43	-29.43	-29.43	-29.42	-29.42	-29.42	-29.42	-29.42	-29.42	-29.44	-29.42	-29.41	-29.41	-29.41	-29.41
25	-29.40	-29.39	-29.37	-29.36	-29.37	-29.36	-29.40	-29.40	-29.43	-29.42	-29.44	-29.42	-29.43	-29.42	-29.41	-29.43	-29.43	-29.44	-29.45	-29.45	-29.43	-29.41	-29.42	-29.42	-29.41
26Q	-29.42	-29.41	-29.41	-29.38	-29.37	-29.35	-29.38	-29.38	-29.41	-29.40	-29.42	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.44	-29.45	-29.45	-29.43	-29.40	-29.42	-29.42	-29.41
27D	-29.42	-29.40	-29.39	-29.37	-29.36	-29.34	-29.37	-29.37	-29.39	-29.38	-29.39	-29.41	-29.42	-29.44	-29.46	-29.47	-29.44	-29.45	-29.45	-29.46	-29.45	-29.43	-29.41	-29.44	-29.41
28D	-29.44	-29.42	-29.40	-29.39	-29.40	-29.38	-29.42	-29.45	-29.47	-29.46	-29.45	-29.44	-29.43	-29.42	-29.45	-29.45	-29.44	-29.45	-29.46	-29.46	-29.43	-29.41	-29.43	-29.44	-29.43
29	-29.43	-29.41	-29.40	-29.38	-29.38	-29.37	-29.39	-29.39	-29.42	-29.41	-29.42	-29.42	-29.43	-29.43	-29.44	-29.44	-29.45	-29.44	-29.46	-29.46	-29.44	-29.42	-29.43	-29.44	-29.42
30	-29.43	-29.41	-29.40	-29.37	-29.37	-29.35	-29.40	-29.42	-29.44	-29.43	-29.45	-29.44	-29.45	-29.46	-29.45	-29.46	-29.45	-29.45	-29.45	-29.46	-29.44	-29.43	-29.44	-29.43	-29.43
Mean	-29.43	-29.42	-29.41	-29.39	-29.39	-29.38	-29.40	-29.40	-29.42	-29.42	-29.44	-29.43	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.46	-29.46	-29.44	-29.42	-29.43	-29.43	-29.42
Q	-29.42	-29.42	-29.41	-29.39	-29.39	-29.37	-29.39	-29.39	-29.41	-29.41	-29.42	-29.42	-29.43	-29.43	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.43	-29.41	-29.43	-29.43	-29.42
D	-29.44	-29.42	-29.41	-29.40	-29.41	-29.39	-29.42	-29.42	-29.43	-29.43	-29.44	-29.44	-29.44	-29.44	-29.46	-29.46	-29.46	-29.46	-29.46	-29.47	-29.45	-29.43	-29.43	-29.43	-29.43



TANGERANG MAGNETIC OBSERVATORY																								October-19
DATE	HOURLY MEAN VALUES OF I : Tabular values in Degrees																							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	-29.41	-29.40	-29.40	-29.39	-29.39	-29.38	-29.43	-29.42	-29.44	-29.43	-29.45	-29.45	-29.44	-29.44	-29.44	-29.45	-29.46	-29.46	-29.46	-29.46	-29.44	-29.42	-29.43	-29.43
2	-29.43	-29.42	-29.41	-29.38	-29.38	-29.36	-29.39	-29.39	-29.41	-29.41	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.44	-29.45	-29.45	-29.45	-29.44	-29.42	-29.43	-29.43
3																								
4																								
5	-29.41	-29.40	-29.39	-29.37	-29.37	-29.36	-29.39	-29.39	-29.40	-29.40	-29.42	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.44	-29.44	-29.45	-29.43	-29.42	-29.42	-29.42
6	-29.41	-29.39	-29.38	-29.35	-29.36	-29.35	-29.39	-29.40	-29.43	-29.43	-29.44	-29.43	-29.43	-29.43	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.43	-29.42	-29.43	-29.43
7																								
8																								
9	-29.40	-29.39	-29.38	-29.35	-29.35	-29.34	-29.38	-29.39	-29.42	-29.43	-29.47	-29.45	-29.43	-29.42	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.42	-29.41	-29.42	-29.41
10	-29.40	-29.39	-29.36	-29.35	-29.34	-29.35	-29.40	-29.42	-29.43	-29.42	-29.44	-29.43	-29.44	-29.43	-29.43	-29.45	-29.45	-29.45	-29.45	-29.45	-29.43	-29.41	-29.42	-29.42
11D	-29.41	-29.40	-29.38	-29.37	-29.37	-29.36	-29.39	-29.40	-29.43	-29.43	-29.43	-29.42	-29.42	-29.42	-29.44	-29.43	-29.43	-29.44	-29.45	-29.45	-29.44	-29.42	-29.42	-29.43
12Q	-29.41	-29.39	-29.38	-29.36	-29.36	-29.36	-29.39	-29.39	-29.42	-29.41	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.44	-29.44	-29.45	-29.45	-29.42	-29.41	-29.42	-29.42
13Q	-29.42	-29.41	-29.40	-29.38	-29.37	-29.36	-29.39	-29.39	-29.42	-29.41	-29.42	-29.41	-29.42	-29.41	-29.42	-29.43	-29.43	-29.44	-29.45	-29.44	-29.42	-29.41	-29.41	-29.41
14																								
15	-29.41	-29.40	-29.38	-29.36	-29.37	-29.36	-29.38	-29.38	-29.40	-29.40	-29.41	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.44	-29.43	-29.39	-29.40	-29.40
16	-29.40	-29.41	-29.40	-29.37	-29.37	-29.36	-29.38	-29.38	-29.40	-29.40	-29.41	-29.41	-29.41	-29.40	-29.42	-29.43	-29.43	-29.43	-29.45	-29.44	-29.44	-29.40	-29.39	-29.40
17	-29.40	-29.40	-29.39	-29.35	-29.35	-29.34	-29.37	-29.37	-29.40	-29.40	-29.41	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.43	-29.45	-29.45	-29.42	-29.39	-29.40	-29.40
18	-29.40	-29.39	-29.37	-29.34	-29.35	-29.35	-29.39	-29.39	-29.42	-29.41	-29.42	-29.42	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.45	-29.45	-29.44	-29.39	-29.40	-29.41
19	-29.40	-29.40	-29.39	-29.36	-29.36	-29.34	-29.36	-29.37	-29.40	-29.41	-29.42	-29.43	-29.42	-29.42	-29.43	-29.43	-29.45	-29.46	-29.46	-29.44	-29.40	-29.41	-29.42	-29.42
20	-29.42	-29.40	-29.39	-29.37	-29.37	-29.36	-29.37	-29.38	-29.40	-29.40	-29.42	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.43	-29.43	-29.43	-29.40	-29.40	-29.41	-29.42
21Q	-29.42	-29.41	-29.39	-29.36	-29.35	-29.36	-29.38	-29.38	-29.40	-29.41	-29.41	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.44	-29.45	-29.44	-29.43	-29.41	-29.41	-29.42
22	-29.42	-29.41	-29.39	-29.36	-29.36	-29.34	-29.36	-29.36	-29.39	-29.40	-29.42	-29.41	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.43	-29.41	-29.42	-29.42
23Q	-29.42	-29.41	-29.40	-29.38	-29.37	-29.36	-29.38	-29.37	-29.40	-29.40	-29.42	-29.41	-29.41	-29.41	-29.41	-29.42	-29.42	-29.43	-29.44	-29.44	-29.41	-29.40	-29.40	-29.41
24D	-29.40	-29.39	-29.38	-29.37	-29.36	-29.34	-29.35	-29.35	-29.37	-29.38	-29.43	-29.44	-29.45	-29.45	-29.44	-29.43	-29.42	-29.45	-29.46	-29.43	-29.43	-29.42	-29.42	-29.43
25D	-29.41	-29.41	-29.41	-29.40	-29.41	-29.40	-29.43	-29.44	-29.46	-29.46	-29.46	-29.45	-29.41	-29.43	-29.45	-29.44	-29.43	-29.45	-29.46	-29.44	-29.42	-29.43	-29.43	-29.43
26D	-29.42	-29.41	-29.41	-29.37	-29.37	-29.36	-29.38	-29.39	-29.42	-29.43	-29.46	-29.46	-29.45	-29.46	-29.45	-29.45	-29.45	-29.45	-29.45	-29.45	-29.43	-29.42	-29.43	-29.45
27	-29.45	-29.45	-29.45	-29.42	-29.41	-29.41	-29.41	-29.41	-29.42	-29.41	-29.42	-29.43	-29.43	-29.42	-29.42	-29.43	-29.43	-29.44	-29.45	-29.45	-29.44	-29.41	-29.42	-29.43
28																								
29	-29.41	-29.41	-29.40	-29.38	-29.38	-29.36	-29.39	-29.39	-29.41	-29.40	-29.42	-29.42	-29.43	-29.43	-29.44	-29.45	-29.44	-29.45	-29.46	-29.45	-29.43	-29.41	-29.41	-29.40
30																								
31	-29.41	-29.41	-29.37	-29.35	-29.36	-29.36	-29.37	-29.41	-29.40	-29.40	-29.41	-29.41	-29.42	-29.41	-29.42	-29.43	-29.43	-29.43	-29.44	-29.44	-29.42	-29.41	-29.42	-29.42
Mean	-29.41	-29.40	-29.39	-29.37	-29.37	-29.36	-29.39	-29.39	-29.41	-29.41	-29.43	-29.42	-29.42	-29.42	-29.43	-29.43	-29.43	-29.44	-29.45	-29.45	-29.43	-29.41	-29.42	-29.42
Q	-29.42	-29.41	-29.39	-29.37	-29.36	-29.36	-29.39	-29.38	-29.41	-29.41	-29.42	-29.41	-29.42	-29.41	-29.42	-29.43	-29.43	-29.44	-29.45	-29.44	-29.42	-29.41	-29.41	-29.42
D	-29.41	-29.40	-29.40	-29.38	-29.38	-29.37	-29.39	-29.40	-29.42	-29.43	-29.45	-29.45	-29.44	-29.44	-29.44	-29.43	-29.44	-29.44	-29.45	-29.45	-29.44	-29.42	-29.43	-29.44

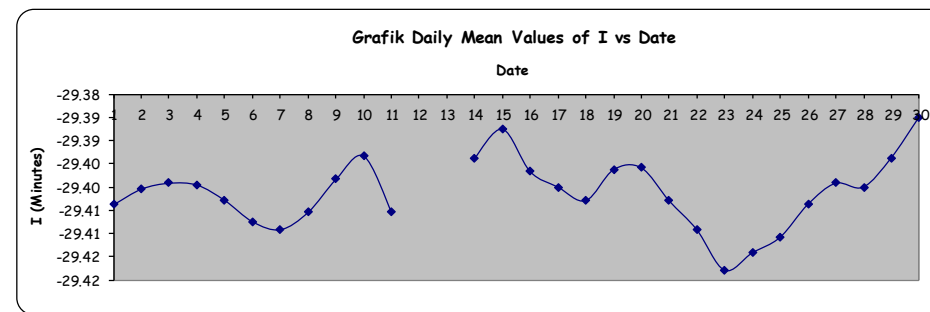
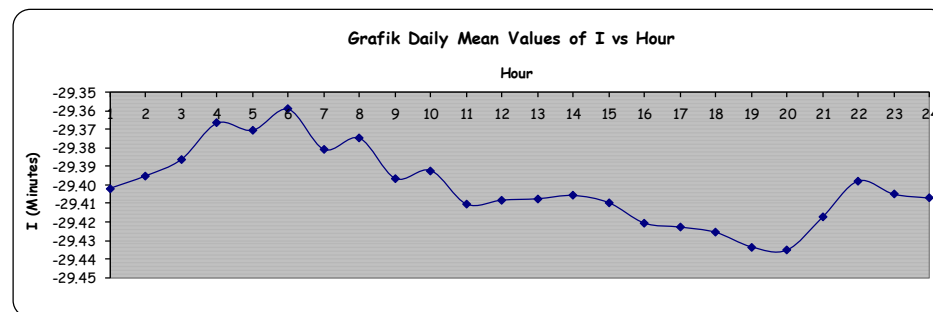


INCLINATION
HOURLY MEAN VALUES OF I : Tabular values in Degrees

TANGERANG MAGNETIC OBSERVATORY

November-19

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	-29.42	-29.41	-29.40	-29.38	-29.37	-29.35	-29.38	-29.37	-29.40	-29.38	-29.40	-29.41	-29.41	-29.40	-29.40	-29.41	-29.43	-29.43	-29.45	-29.45	-29.43	-29.40	-29.40	-29.41	-29.40
2	-29.40	-29.40	-29.40	-29.37	-29.37	-29.36	-29.36	-29.35	-29.38	-29.40	-29.40	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.44	-29.44	-29.44	-29.42	-29.40	-29.41	-29.41	-29.40
3Q	-29.39	-29.39	-29.39	-29.37	-29.37	-29.36	-29.38	-29.38	-29.40	-29.39	-29.41	-29.40	-29.40	-29.39	-29.40	-29.41	-29.42	-29.42	-29.44	-29.44	-29.42	-29.40	-29.40	-29.41	-29.40
4	-29.41	-29.41	-29.40	-29.38	-29.38	-29.35	-29.37	-29.34	-29.37	-29.37	-29.40	-29.40	-29.40	-29.40	-29.40	-29.42	-29.43	-29.43	-29.44	-29.44	-29.42	-29.41	-29.42	-29.40	-29.40
5	-29.40	-29.39	-29.39	-29.36	-29.37	-29.36	-29.37	-29.36	-29.38	-29.39	-29.40	-29.40	-29.40	-29.41	-29.41	-29.43	-29.44	-29.43	-29.45	-29.45	-29.44	-29.41	-29.42	-29.41	-29.40
6	-29.40	-29.40	-29.41	-29.38	-29.38	-29.37	-29.39	-29.38	-29.41	-29.40	-29.41	-29.41	-29.42	-29.41	-29.41	-29.41	-29.42	-29.43	-29.43	-29.44	-29.43	-29.41	-29.42	-29.41	-29.40
7	-29.41	-29.40	-29.39	-29.38	-29.38	-29.37	-29.38	-29.38	-29.40	-29.40	-29.42	-29.41	-29.42	-29.41	-29.41	-29.42	-29.43	-29.43	-29.44	-29.44	-29.43	-29.41	-29.43	-29.43	-29.41
8	-29.42	-29.41	-29.39	-29.38	-29.38	-29.36	-29.38	-29.37	-29.39	-29.39	-29.42	-29.42	-29.41	-29.41	-29.41	-29.42	-29.42	-29.43	-29.44	-29.44	-29.42	-29.40	-29.41	-29.41	-29.41
9	-29.40	-29.39	-29.37	-29.35	-29.36	-29.36	-29.38	-29.37	-29.39	-29.39	-29.41	-29.41	-29.41	-29.41	-29.41	-29.41	-29.43	-29.42	-29.43	-29.43	-29.41	-29.40	-29.41	-29.41	-29.40
10	-29.39	-29.39	-29.38	-29.37	-29.37	-29.35	-29.37	-29.36	-29.38	-29.38	-29.41	-29.41	-29.40	-29.41	-29.40	-29.41	-29.41	-29.42	-29.43	-29.43	-29.40	-29.39	-29.39	-29.39	-29.39
11	-29.38	-29.38	-29.37	-29.36	-29.36	-29.35	-29.37	-29.37	-29.39	-29.38	-29.41	-29.43	-29.45	-29.44	-29.44	-29.45	-29.45	-29.45	-29.45	-29.44	-29.43	-29.39	-29.39	-29.40	-29.41
12																									
13																									
14	-29.40	-29.38	-29.36	-29.33	-29.35	-29.36	-29.37	-29.36	-29.38	-29.39	-29.41	-29.41	-29.40	-29.40	-29.40	-29.42	-29.42	-29.43	-29.43	-29.43	-29.43	-29.39	-29.40	-29.40	-29.39
15	-29.39	-29.37	-29.36	-29.34	-29.35	-29.35	-29.36	-29.35	-29.37	-29.38	-29.41	-29.41	-29.39	-29.39	-29.39	-29.40	-29.41	-29.41	-29.42	-29.43	-29.42	-29.40	-29.40	-29.40	-29.39
16	-29.39	-29.38	-29.37	-29.34	-29.35	-29.36	-29.38	-29.38	-29.40	-29.39	-29.41	-29.40	-29.40	-29.40	-29.41	-29.42	-29.42	-29.42	-29.44	-29.44	-29.41	-29.39	-29.41	-29.41	-29.40
17	-29.41	-29.40	-29.38	-29.37	-29.36	-29.35	-29.38	-29.38	-29.40	-29.39	-29.41	-29.40	-29.41	-29.40	-29.41	-29.42	-29.42	-29.41	-29.43	-29.44	-29.42	-29.40	-29.40	-29.41	-29.40
18	-29.41	-29.41	-29.40	-29.38	-29.39	-29.37	-29.39	-29.38	-29.40	-29.39	-29.41	-29.41	-29.41	-29.40	-29.41	-29.42	-29.41	-29.42	-29.43	-29.43	-29.40	-29.39	-29.41	-29.40	-29.40
19	-29.39	-29.39	-29.37	-29.36	-29.37	-29.36	-29.37	-29.37	-29.39	-29.39	-29.40	-29.40	-29.40	-29.40	-29.41	-29.42	-29.42	-29.42	-29.43	-29.43	-29.42	-29.39	-29.40	-29.41	-29.40
20D	-29.40	-29.40	-29.39	-29.37	-29.37	-29.35	-29.38	-29.37	-29.40	-29.39	-29.41	-29.40	-29.40	-29.39	-29.40	-29.41	-29.41	-29.41	-29.42	-29.42	-29.41	-29.39	-29.40	-29.41	-29.40
21	-29.41	-29.40	-29.39	-29.38	-29.37	-29.36	-29.38	-29.37	-29.39	-29.38	-29.39	-29.41	-29.41	-29.41	-29.42	-29.43	-29.44	-29.44	-29.42	-29.43	-29.41	-29.41	-29.41	-29.41	-29.40
22D	-29.40	-29.40	-29.40	-29.37	-29.37	-29.36	-29.39	-29.40	-29.41	-29.41	-29.42	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.43	-29.44	-29.44	-29.41	-29.40	-29.41	-29.41	-29.42
23	-29.41	-29.41	-29.40	-29.37	-29.38	-29.37	-29.40	-29.40	-29.42	-29.41	-29.44	-29.43	-29.43	-29.42	-29.45	-29.46	-29.44	-29.44	-29.45	-29.44	-29.42	-29.41	-29.41	-29.41	-29.42
24	-29.41	-29.40	-29.39	-29.37	-29.39	-29.38	-29.41	-29.41	-29.43	-29.42	-29.42	-29.42	-29.42	-29.42	-29.42	-29.44	-29.42	-29.42	-29.44	-29.44	-29.43	-29.41	-29.41	-29.41	-29.42
25Q	-29.41	-29.40	-29.40	-29.38	-29.39	-29.37	-29.40	-29.40	-29.42	-29.41	-29.43	-29.42	-29.42	-29.42	-29.42	-29.42	-29.42	-29.43	-29.43	-29.44	-29.41	-29.40	-29.41	-29.41	-29.41
26Q	-29.40	-29.39	-29.39	-29.37	-29.38	-29.37	-29.39	-29.39	-29.41	-29.40	-29.42	-29.42	-29.41	-29.40	-29.40	-29.42	-29.42	-29.42	-29.43	-29.43	-29.43	-29.40	-29.40	-29.40	-29.40
27	-29.39	-29.38	-29.37	-29.35	-29.36	-29.35	-29.40	-29.39	-29.41	-29.39	-29.41	-29.41	-29.40	-29.40	-29.41	-29.42	-29.42	-29.43	-29.43	-29.43	-29.42	-29.40	-29.40	-29.41	-29.40
28	-29.41	-29.40	-29.38	-29.37	-29.38	-29.36	-29.39	-29.38	-29.40	-29.39	-29.40	-29.40	-29.40	-29.41	-29.41	-29.43	-29.43	-29.43	-29.42	-29.42	-29.40	-29.39	-29.40	-29.40	-29.40
29D	-29.40	-29.38	-29.38	-29.37	-29.36	-29.34	-29.37	-29.37	-29.40	-29.40	-29.41	-29.40	-29.40	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.43	-29.41	-29.38	-29.39	-29.40	-29.39
30D	-29.40	-29.40	-29.39	-29.36	-29.36	-29.35	-29.37	-29.36	-29.38	-29.38	-29.40	-29.37	-29.37	-29.38	-29.39	-29.40	-29.40	-29.41	-29.42	-29.43	-29.39	-29.37	-29.38	-29.38	-29.38
Mean	-29.40	-29.40	-29.39	-29.37	-29.37	-29.36	-29.38	-29.37	-29.40	-29.39	-29.41	-29.41	-29.41	-29.41	-29.41	-29.42	-29.42	-29.43	-29.43	-29.44	-29.42	-29.40	-29.41	-29.41	-29.40
Q	-29.41	-29.40	-29.40	-29.38	-29.38	-29.36	-29.39	-29.39	-29.41	-29.40	-29.42	-29.41	-29.41	-29.40	-29.41	-29.42	-29.42	-29.43	-29.44	-29.44	-29.42	-29.40	-29.40	-29.41	-29.40
D	-29.40	-29.40	-29.39	-29.37	-29.37	-29.35	-29.38	-29.38	-29.40	-29.40	-29.41	-29.40	-29.40	-29.40	-29.40	-29.41	-29.41	-29.42	-29.43	-29.43	-29.41	-29.39	-29.40	-29.40	-29.40

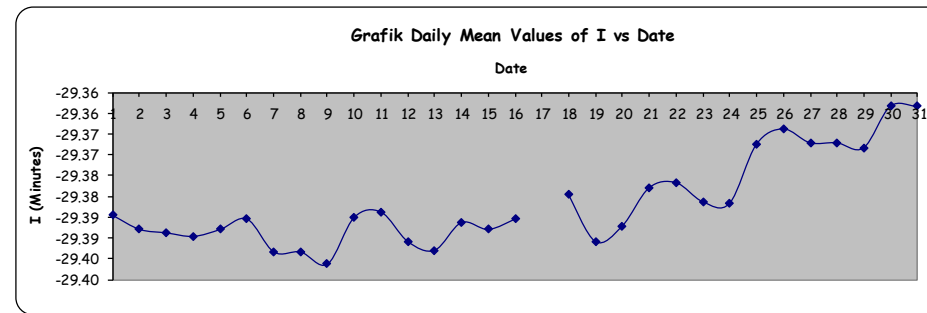
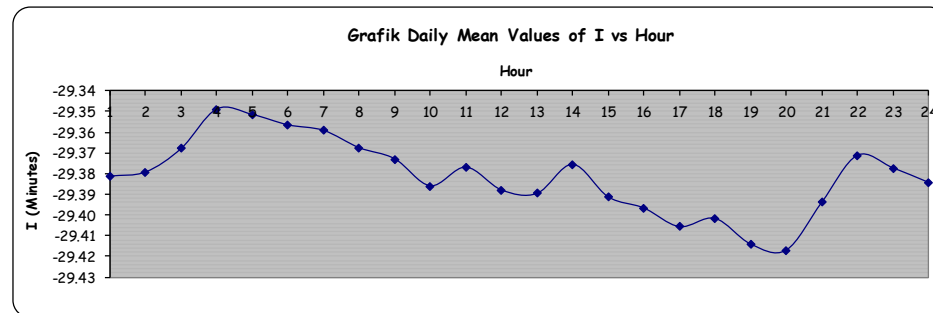


INCLINATION
HOURLY MEAN VALUES OF I : Tabular values in Degrees

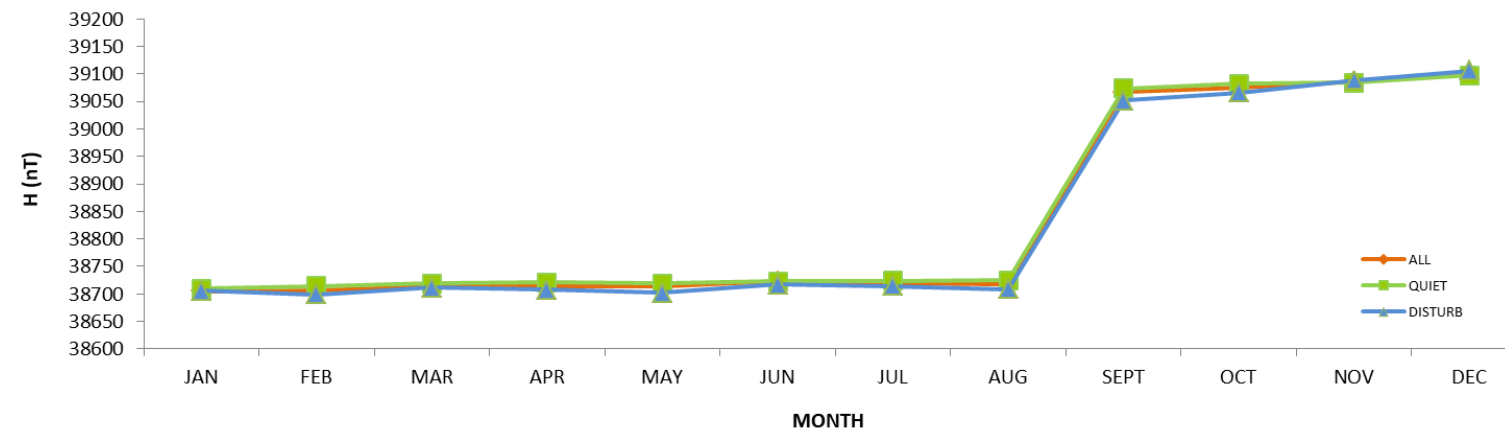
TANGERANG MAGNETIC OBSERVATORY

December-19

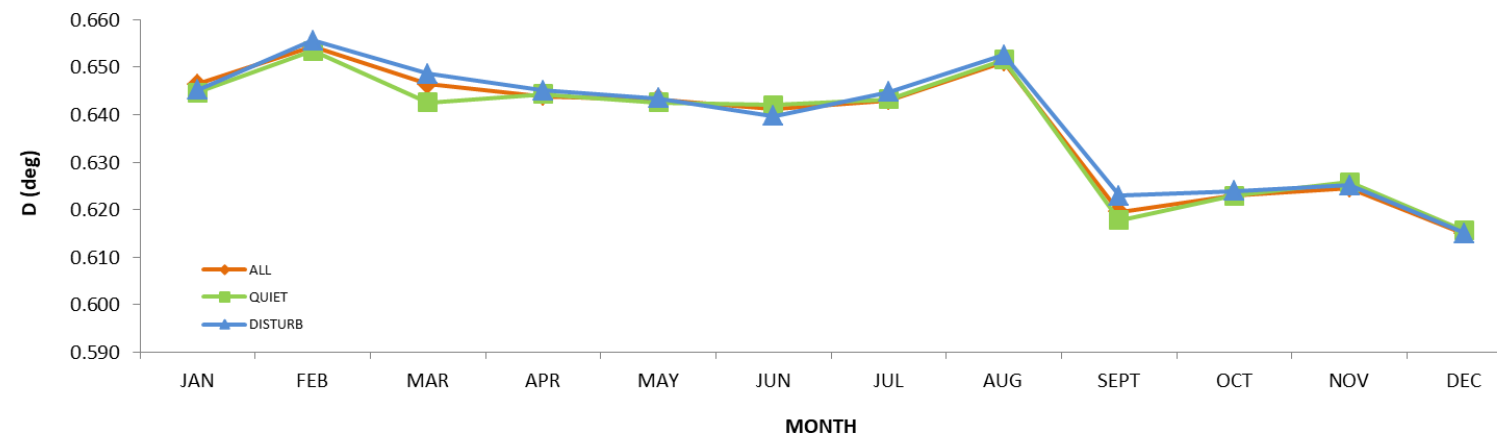
DATE	HOUR																							MEAN	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		23
1	-29.38	-29.37	-29.36	-29.35	-29.34	-29.35	-29.36	-29.37	-29.38	-29.40	-29.39	-29.40	-29.40	-29.37	-29.39	-29.39	-29.40	-29.41	-29.42	-29.42	-29.40	-29.38	-29.40	-29.40	-29.38
2Q	-29.38	-29.37	-29.36	-29.35	-29.35	-29.37	-29.38	-29.38	-29.38	-29.40	-29.38	-29.39	-29.39	-29.38	-29.40	-29.41	-29.42	-29.41	-29.42	-29.43	-29.40	-29.38	-29.39	-29.39	-29.39
3Q	-29.39	-29.38	-29.37	-29.36	-29.36	-29.36	-29.37	-29.37	-29.38	-29.40	-29.39	-29.40	-29.40	-29.38	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.40	-29.38	-29.39	-29.39	-29.39
4	-29.39	-29.38	-29.38	-29.37	-29.36	-29.36	-29.36	-29.36	-29.37	-29.39	-29.38	-29.40	-29.40	-29.39	-29.41	-29.41	-29.42	-29.41	-29.42	-29.42	-29.40	-29.38	-29.39	-29.40	-29.39
5	-29.39	-29.39	-29.38	-29.37	-29.36	-29.37	-29.37	-29.37	-29.37	-29.39	-29.38	-29.39	-29.39	-29.37	-29.40	-29.40	-29.40	-29.40	-29.42	-29.42	-29.42	-29.37	-29.39	-29.40	-29.39
6	-29.39	-29.39	-29.38	-29.36	-29.35	-29.35	-29.35	-29.35	-29.37	-29.38	-29.38	-29.39	-29.39	-29.38	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.40	-29.39	-29.39	-29.40	-29.39
7	-29.39	-29.37	-29.37	-29.36	-29.37	-29.38	-29.38	-29.39	-29.39	-29.40	-29.39	-29.40	-29.40	-29.39	-29.40	-29.41	-29.41	-29.40	-29.40	-29.42	-29.41	-29.40	-29.40	-29.41	-29.39
8	-29.39	-29.37	-29.37	-29.36	-29.37	-29.38	-29.38	-29.39	-29.39	-29.40	-29.39	-29.40	-29.40	-29.39	-29.40	-29.41	-29.41	-29.40	-29.40	-29.42	-29.41	-29.40	-29.40	-29.41	-29.39
9	-29.40	-29.41	-29.41	-29.38	-29.38	-29.39	-29.38	-29.39	-29.40	-29.40	-29.39	-29.39	-29.39	-29.38	-29.40	-29.40	-29.41	-29.40	-29.42	-29.42	-29.40	-29.38	-29.39	-29.40	-29.40
10	-29.39	-29.38	-29.35	-29.33	-29.34	-29.37	-29.37	-29.39	-29.39	-29.40	-29.38	-29.39	-29.39	-29.39	-29.39	-29.41	-29.41	-29.40	-29.42	-29.42	-29.40	-29.37	-29.38	-29.38	-29.39
11D	-29.37	-29.36	-29.35	-29.34	-29.35	-29.35	-29.36	-29.37	-29.37	-29.39	-29.38	-29.40	-29.40	-29.40	-29.39	-29.39	-29.41	-29.41	-29.42	-29.42	-29.40	-29.39	-29.39	-29.40	-29.38
12	-29.40	-29.39	-29.37	-29.35	-29.36	-29.38	-29.39	-29.39	-29.39	-29.40	-29.39	-29.39	-29.39	-29.38	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.38	-29.38	-29.39	-29.40	-29.39
13	-29.40	-29.39	-29.38	-29.36	-29.36	-29.36	-29.37	-29.38	-29.39	-29.40	-29.39	-29.40	-29.40	-29.39	-29.41	-29.41	-29.42	-29.41	-29.42	-29.42	-29.40	-29.38	-29.39	-29.40	-29.39
14	-29.40	-29.40	-29.39	-29.38	-29.36	-29.37	-29.37	-29.37	-29.37	-29.38	-29.37	-29.38	-29.39	-29.37	-29.39	-29.39	-29.41	-29.40	-29.41	-29.42	-29.39	-29.38	-29.39	-29.39	-29.39
15D	-29.38	-29.38	-29.37	-29.36	-29.37	-29.38	-29.37	-29.38	-29.38	-29.39	-29.38	-29.39	-29.39	-29.38	-29.39	-29.40	-29.41	-29.41	-29.42	-29.42	-29.40	-29.38	-29.39	-29.39	-29.39
16	-29.39	-29.40	-29.39	-29.36	-29.36	-29.35	-29.35	-29.36	-29.37	-29.39	-29.39	-29.39	-29.39	-29.38	-29.40	-29.41	-29.42	-29.40	-29.42	-29.42	-29.39	-29.37	-29.37	-29.38	-29.39
17																									
18D	-29.37	-29.37	-29.34	-29.32	-29.33	-29.32	-29.32	-29.34	-29.35	-29.37	-29.37	-29.40	-29.42	-29.40	-29.41	-29.41	-29.40	-29.42	-29.44	-29.44	-29.41	-29.38	-29.39	-29.39	-29.38
19D	-29.39	-29.39	-29.38	-29.35	-29.35	-29.34	-29.35	-29.37	-29.39	-29.40	-29.40	-29.41	-29.41	-29.39	-29.40	-29.41	-29.42	-29.41	-29.42	-29.43	-29.42	-29.37	-29.38	-29.40	-29.39
20	-29.40	-29.41	-29.40	-29.37	-29.37	-29.38	-29.37	-29.37	-29.37	-29.38	-29.37	-29.39	-29.39	-29.38	-29.40	-29.39	-29.41	-29.41	-29.41	-29.42	-29.38	-29.37	-29.37	-29.38	-29.39
21	-29.38	-29.38	-29.36	-29.35	-29.36	-29.35	-29.36	-29.37	-29.38	-29.40	-29.39	-29.39	-29.37	-29.35	-29.37	-29.39	-29.40	-29.40	-29.42	-29.41	-29.40	-29.36	-29.36	-29.37	-29.38
22	-29.37	-29.37	-29.36	-29.35	-29.36	-29.37	-29.37	-29.38	-29.37	-29.36	-29.35	-29.37	-29.38	-29.37	-29.39	-29.38	-29.40	-29.39	-29.41	-29.41	-29.40	-29.37	-29.38	-29.38	-29.38
23	-29.37	-29.38	-29.36	-29.34	-29.35	-29.35	-29.35	-29.36	-29.37	-29.38	-29.37	-29.39	-29.40	-29.38	-29.40	-29.41	-29.41	-29.41	-29.41	-29.41	-29.41	-29.37	-29.38	-29.39	-29.38
24	-29.39	-29.39	-29.38	-29.36	-29.36	-29.36	-29.35	-29.36	-29.37	-29.38	-29.37	-29.38	-29.39	-29.37	-29.40	-29.40	-29.41	-29.40	-29.41	-29.41	-29.41	-29.38	-29.37	-29.36	-29.38
25	-29.37	-29.37	-29.36	-29.33	-29.33	-29.34	-29.34	-29.35	-29.36	-29.38	-29.36	-29.38	-29.39	-29.38	-29.38	-29.39	-29.39	-29.39	-29.40	-29.41	-29.38	-29.35	-29.35	-29.35	-29.37
26	-29.35	-29.36	-29.34	-29.31	-29.32	-29.33	-29.34	-29.35	-29.36	-29.37	-29.37	-29.36	-29.35	-29.34	-29.37	-29.39	-29.40	-29.40	-29.42	-29.42	-29.39	-29.36	-29.36	-29.37	-29.37
27	-29.36	-29.36	-29.35	-29.33	-29.33	-29.35	-29.36	-29.38	-29.38	-29.38	-29.35	-29.35	-29.36	-29.35	-29.37	-29.38	-29.39	-29.38	-29.40	-29.41	-29.38	-29.36	-29.37	-29.38	-29.37
28Q	-29.37	-29.37	-29.36	-29.33	-29.33	-29.34	-29.34	-29.35	-29.36	-29.38	-29.37	-29.38	-29.38	-29.36	-29.38	-29.39	-29.40	-29.40	-29.41	-29.41	-29.36	-29.34	-29.34	-29.36	-29.37
29Q	-29.35	-29.36	-29.35	-29.33	-29.34	-29.34	-29.34	-29.36	-29.36	-29.37	-29.37	-29.38	-29.38	-29.36	-29.38	-29.39	-29.40	-29.39	-29.40	-29.40	-29.38	-29.36	-29.37	-29.38	-29.37
30	-29.37	-29.37	-29.36	-29.33	-29.34	-29.33	-29.34	-29.34	-29.34	-29.36	-29.36	-29.38	-29.38	-29.36	-29.36	-29.37	-29.38	-29.38	-29.40	-29.40	-29.35	-29.33	-29.33	-29.34	-29.36
31	-29.37	-29.37	-29.36	-29.33	-29.34	-29.33	-29.34	-29.34	-29.34	-29.36	-29.36	-29.38	-29.38	-29.36	-29.36	-29.37	-29.38	-29.38	-29.40	-29.40	-29.35	-29.33	-29.33	-29.34	-29.36
Mean	-29.38	-29.38	-29.37	-29.35	-29.35	-29.36	-29.36	-29.37	-29.37	-29.39	-29.38	-29.39	-29.39	-29.38	-29.39	-29.40	-29.41	-29.40	-29.41	-29.42	-29.39	-29.37	-29.38	-29.38	-29.38
Q	-29.39	-29.39	-29.37	-29.35	-29.36	-29.36	-29.37	-29.38	-29.38	-29.40	-29.39	-29.39	-29.39	-29.38	-29.40	-29.40	-29.41	-29.41	-29.42	-29.42	-29.40	-29.37	-29.38	-29.39	-29.39
D	-29.37	-29.37	-29.36	-29.34	-29.34	-29.35	-29.35	-29.36	-29.37	-29.38	-29.37	-29.38	-29.38	-29.37	-29.39	-29.39	-29.40	-29.40	-29.41	-29.42	-29.40	-29.37	-29.37	-29.37	-29.37



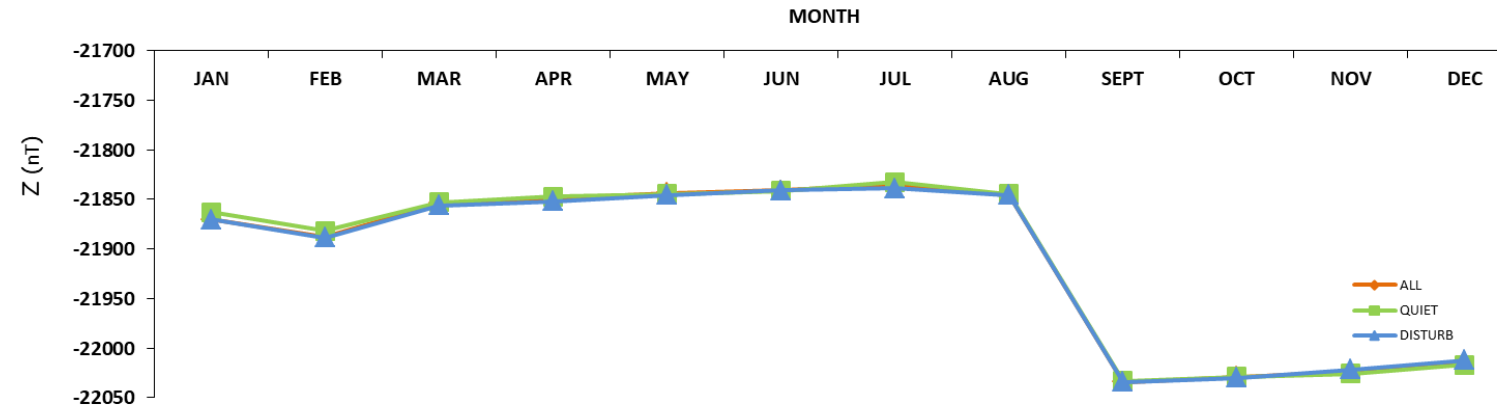
GRAPHIC OF MONTHLY AND ANNUAL MEANS 2019 H COMPONENT



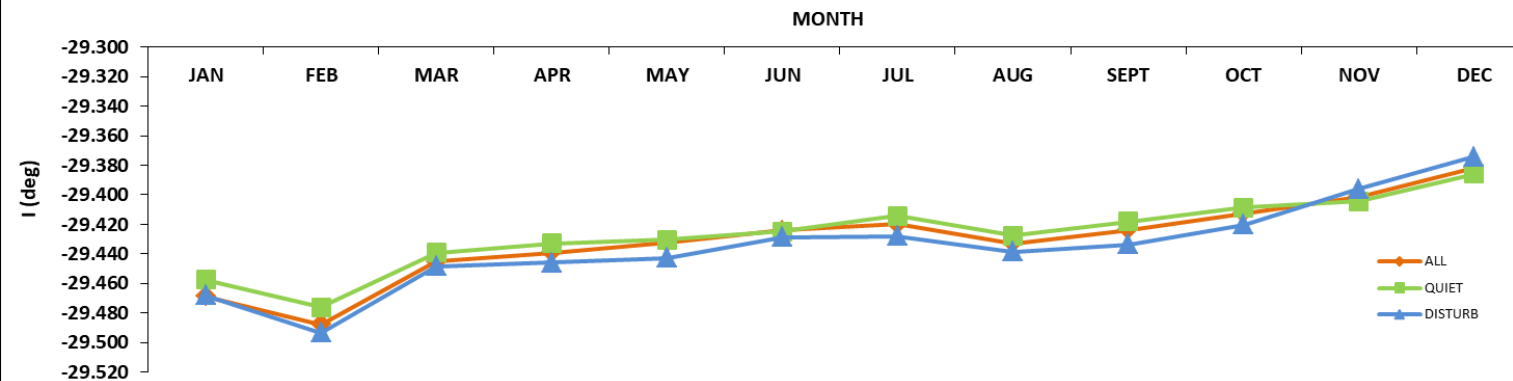
GRAPHIC OF MONTHLY AND ANNUAL MEANS 2019 D COMPONENT



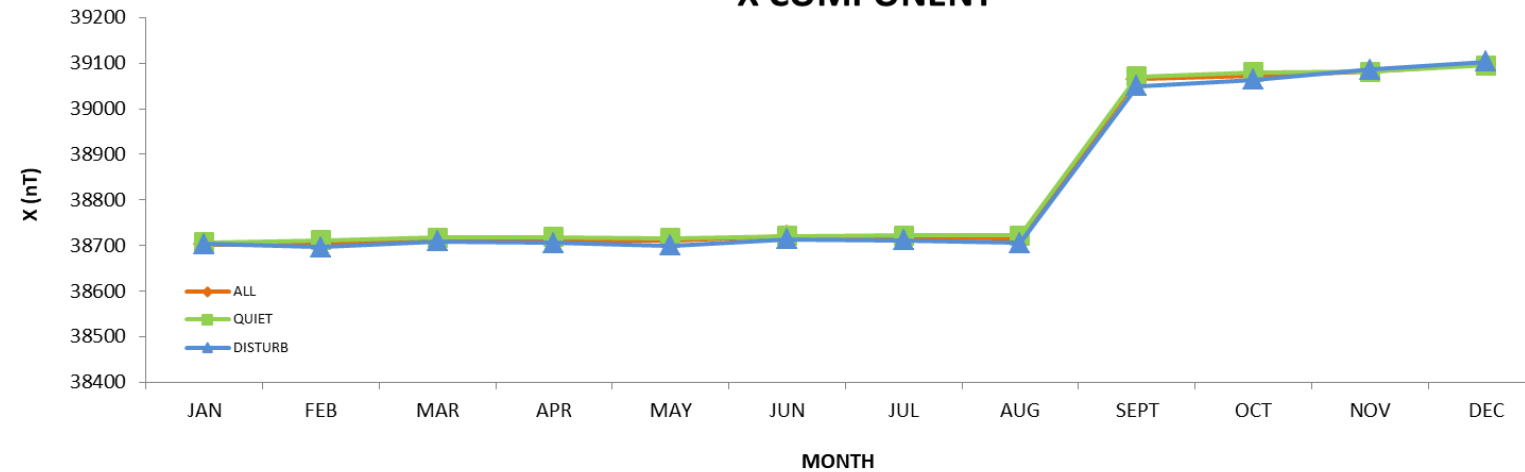
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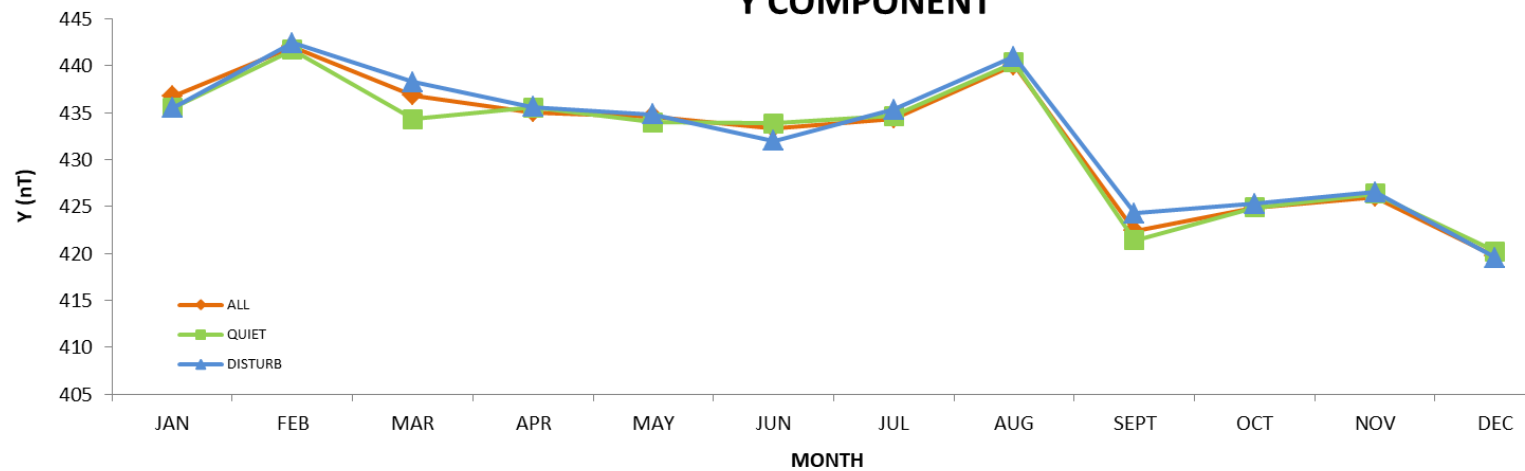
GRAPHIC OF MONTHLY AND ANNUAL MEANS 2019 I COMPONENT

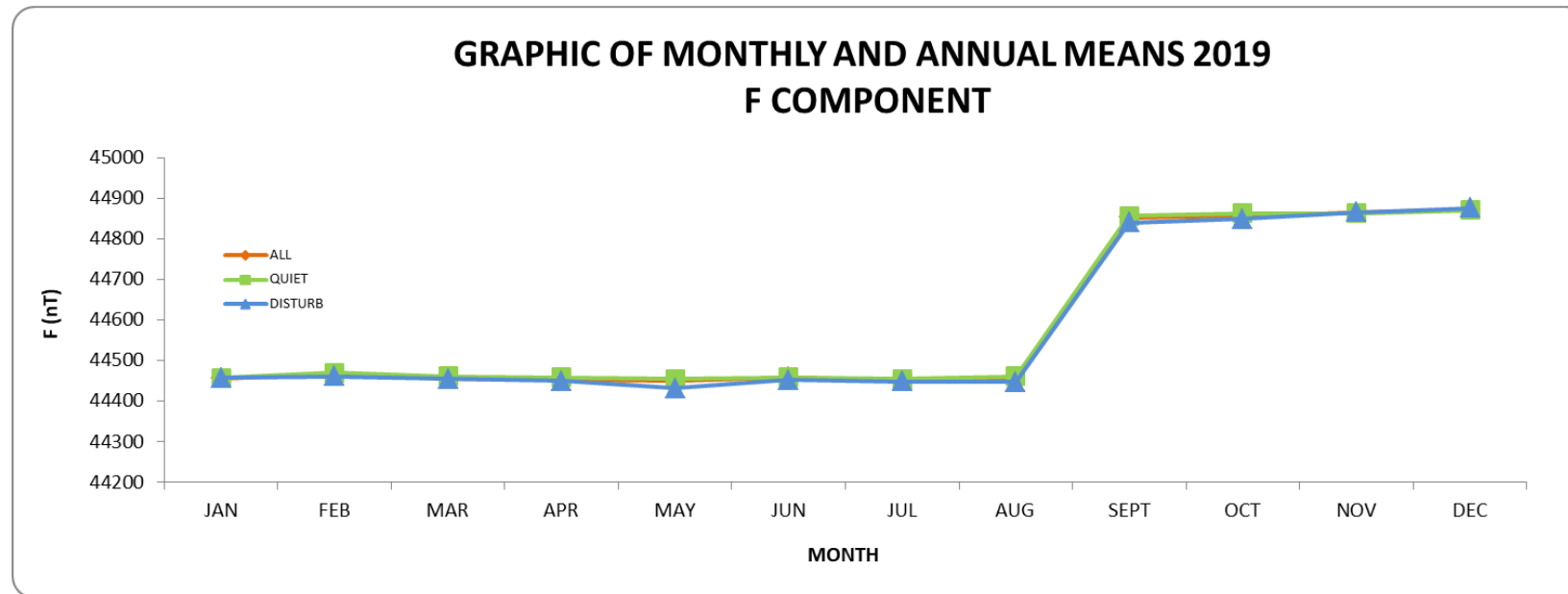


**GRAPHIC OF MONTHLY AND ANNUAL MEANS 2019
X COMPONENT**



**GRAPHIC OF MONTHLY AND ANNUAL MEANS 2019
Y COMPONENT**





2019 ABSOLUTE MEASUREMENTS

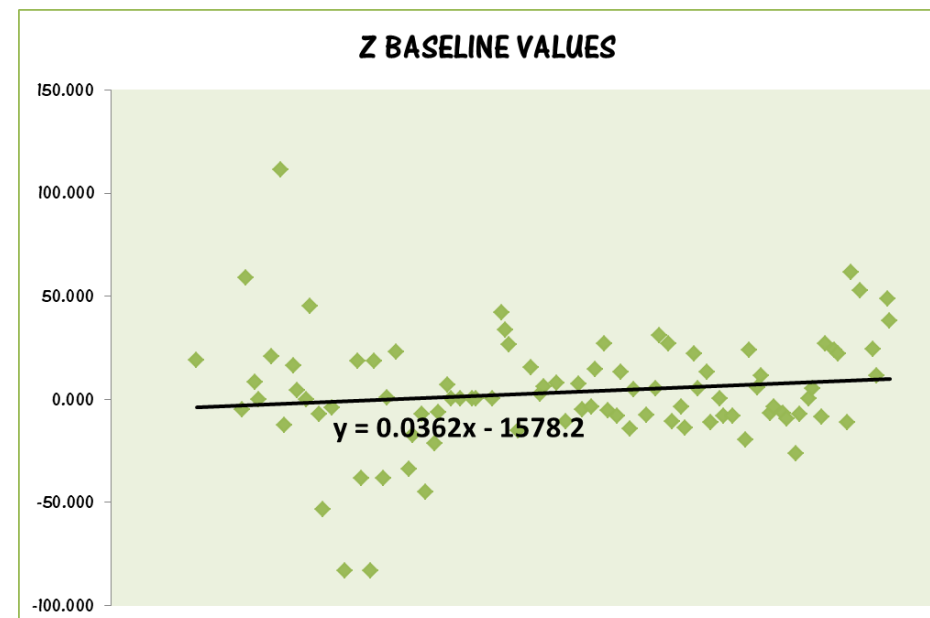
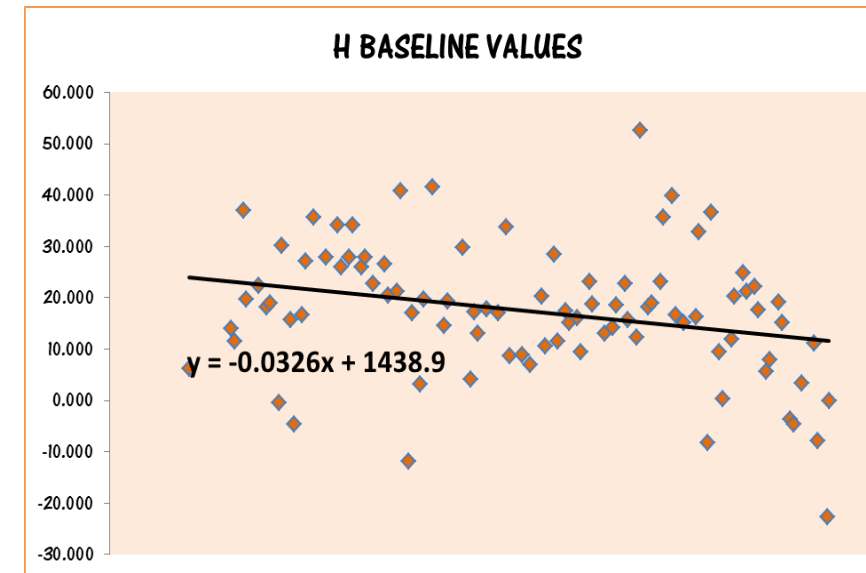
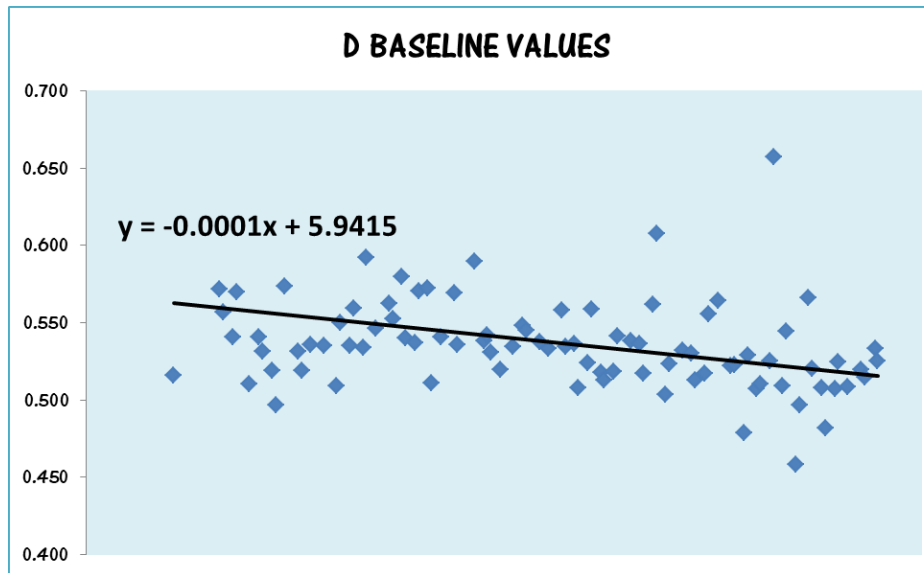
Absolute Observation									Iaga/Iemi				Ordinate				Base Line			Dsv	D konversi
DATE	DOY	DEC TIME	DEC	INC_TIME	INC	H	Z	F	dx	dy	dz	Dord	x0	y0	Z0	H0	Z	H	D		
1/7/2019	7	1:47:12	0.625	1:53:30	-29.516	38693	-21906	44464	14.080	-6.710	-5.000	0.604	38677	429	-21901	38679	-5.000	14.005	0.571	0.089	0.054
1/9/2019	9	1:24:30	0.612	1:42:33	-29.448	38735	-21868	44481	11.550	1.700	58.960	0.629	38721	412	-21927	38723	58.960	11.567	0.557	0.089	0.056
1/14/2019	14	2:57:19	0.593	3:17:23	-29.418	38730	-21839	44463	37.190	-22.310	8.380	0.581	38690	423	-21847	38693	8.380	36.951	0.541	0.089	0.052
1/16/2019	16	2:10:09	0.623	2:22:16	-29.462	38709	-21866	44458	19.820	-15.080	-0.070	0.606	38686	436	-21866	38689	-0.070	19.652	0.570	0.089	0.054
1/23/2019	23	2:22:05	0.563	2:35:11	-29.429	38732	-21850	44470	22.460	-10.620	20.860	0.596	38707	391	-21871	38709	20.860	22.353	0.510	0.089	0.053
1/28/2019	28	2:04:10	0.598	02:11:35	-29.479	38715	-21885	44472	18.250	0.690	111.310	0.643	38694	403	-21997	38696	111.310	18.256	0.541	0.089	0.057
1/30/2019	30	2:42:18	0.586	2:52:30	-29.477	38695	-21872	44448	18.980	-8.310	-12.520	0.613	38674	404	-21859	38676	-12.520	18.893	0.531	0.089	0.054
2/4/2019	35	1:53:03	0.574	2:10:30	-29.483	38702	-21882	44459	-0.430	-8.270	16.400	0.618	38700	396	-21898	38702	16.400	-0.514	0.519	0.089	0.055
2/6/2019	37	2:22:06	0.548	2:40:09	-29.437	38725	-21853	44465	30.470	-33.240	4.350	0.578	38693	404	-21858	38695	4.350	30.136	0.497	0.089	0.051
2/11/2019	42	2:42:23	0.629	3:16:58	-29.757	38608	-22072	44472	16.010	-25.390	-0.300	0.623	38590	449	-22072	38593	-0.300	15.722	0.574	0.089	0.055
2/13/2019	44	1:31:10	0.907	1:40:30	-29.499	38693	-21890	44456	-4.480	-9.200	45.400	0.621	38693	622	-21936	38698	45.400	-4.626	0.852	0.089	0.055
2/18/2019	49	2:59:03	0.586	3:10:46	-29.463	38706	-21866	44456	16.760	-14.040	-7.120	0.612	38687	410	-21859	38690	-7.120	16.613	0.531	0.089	0.054
2/20/2019	51	2:26:51	0.574	2:40:10	-29.503	38769	-21937	44545	27.330	-19.600	-53.530	0.617	38740	408	-21884	38742	-53.530	27.127	0.519	0.089	0.055
2/25/2019	56	2:34:53	0.592	2:41:09	-29.428	38747	-21857	44487	35.610	-0.480	-4.060	0.639	38709	401	-21853	38711	-4.060	35.603	0.536	0.089	0.057
3/4/2019	63	1:53:42	0.590	2:03:18	-29.444	38724	-21859	44467	28.070	-20.840	-83.170	0.620	38693	420	-21776	38696	-83.170	27.848	0.535	0.089	0.055
3/11/2019	70	2:25:48	0.562	2:40:29	-29.411	38754	-21847	44488	34.390	-14.820	18.760	0.602	38718	395	-21866	38720	18.760	34.240	0.509	0.089	0.053
3/13/2019	72	1:40:00	0.606	1:55:54	-29.459	38720	-21870	44469	26.100	-5.330	-38.370	0.637	38691	415	-21831	38694	-38.370	26.042	0.550	0.089	0.057
3/18/2019	77	2:36:53	0.592	2:47:03	-29.470	38705	-21871	44457	27.840	8.880	0.640	0.641	38675	391	-21872	38677	-83.170	27.848	0.535	0.089	0.057
3/20/2019	79	1:50:12	0.614	1:59:21	-29.463	38726	-21877	44478	22.830	-9.670	23.220	0.617	38701	425	-21901	38703	18.760	34.240	0.559	0.089	0.055
3/25/2019	84	1:47:01	0.589	1:59:20	-29.453	38729	-21870	44478	26.750	-11.930	-34.050	0.622	38701	410	-21836	38703	-38.370	26.042	0.534	0.089	0.055
3/27/2019	86	3:39:44	0.648	3:53:13	-29.377	38824	-21855	44553	20.550	-10.150	-17.340	0.630	38801	449	-21838	38803	0.640	27.929	0.592	0.089	0.056
4/1/2019	91	3:22:50	0.603	3:36:07	-29.431	38717	-21843	44453	21.120	4.940	-7.190	0.643	38693	403	-21836	38696	23.220	22.724	0.546	0.089	0.057
4/8/2019	98	2:52:27	0.617	3:16:30	-29.470	38716	-21878	44470	41.060	-25.190	-44.800	0.610	38673	442	-21833	38675	-34.050	26.624	0.562	0.089	0.054
4/10/2019	100	0:53:00	0.606	1:10:44	-29.470	38690	-21863	44440	-11.800	-12.150	-21.440	0.609	38699	422	-21842	38702	-17.340	20.433	0.552	0.089	0.054
4/15/2019	105	1:34:48	0.638	1:52:35	-29.440	38731	-21860	44474	17.060	-3.470	-6.460	0.651	38712	435	-21853	38714	-7.190	21.171	0.580	0.089	0.058

Absolute Observation									laga/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		
4/17/2019	107	6:35:00	0.597	6:45:00	-29.429	38730	-21849	44468	24.530	-2.240	18.700	0.641	38704	406	-21868	38706	-44.800	40.778	0.540	0.089	0.057
4/22/2019	112	3:20:11	0.592	3:40:57	-29.458	38770	-21897	44526	39.790	-16.750	-29.550	0.620	38728	417	-21868	38730	-21.440	-11.930	0.537	0.089	0.055
4/24/2019	114	2:05:17	0.627	2:23:23	-29.525	38702	-21919	44478	21.180	-23.170	-10.510	0.635	38679	446	-21909	38681	-6.460	17.020	0.570	0.089	0.056
4/29/2019	119	2:09:02	0.627	2:22:31	-29.396	38753	-21833	44480	3.220	0.710	7.120	0.616	38748	423	-21840	38750	7.120	3.228	0.572	0.089	0.055
5/1/2019	121	3:24:50	0.565	3:41:03	-29.393	38734	-21819	44457	19.850	-19.790	10.380	0.611	38712	402	-21830	38714	0.476	19.649	0.511	0.089	0.054
5/6/2019	126	3:56:40	0.596	4:09:32	-29.400	38831	-21880	44571	41.820	-24.900	13.280	0.625	38787	429	-21894	38789	0.508	41.550	0.541	0.089	0.055
5/13/2019	133	1:35:40	0.627	1:55:50	-29.484	38760	-21916	44527	14.640	1.500	-6.770	0.653	38743	423	-21909	38746	0.538	14.656	0.569	0.089	0.058
5/15/2019	135	1:34:00	0.591	1:48:00	-29.457	38708	-21862	44455	19.370	-9.110	31.800	0.626	38687	409	-21893	38689	0.502	19.274	0.536	0.089	0.056
5/24/2019	144	1:36:15	0.647	1:44:15	-29.434	38735	-21856	44476	29.940	-10.030	0.430	0.652	38703	448	-21856	38705	0.430	29.823	0.589	0.089	0.058
5/29/2019	149	2:01:10	0.597	2:16:55	-29.428	38737	-21852	44476	4.190	-3.920	42.000	0.656	38731	407	-21894	38733	42.000	4.149	0.538	0.089	0.058
5/31/2019	151	2:00:50	0.598	2:15:54	-29.488	38693	-21881	44451	17.400	-14.850	33.750	0.634	38674	419	-21915	38676	33.750	17.241	0.542	0.089	0.056
6/2/2019	153	4:13:00	0.586	4:27:00	-29.421	38722	-21837	44455	13.240	-24.100	26.360	0.621	38706	420	-21864	38709	26.360	12.985	0.531	0.089	0.055
6/7/2019	158	1:38:00	0.576	1:53:00	-29.446	38719	-21858	44462	18.000	-12.290	-15.210	0.630	38699	401	-21843	38701	-15.210	17.874	0.520	0.089	0.056
6/14/2019	165	2:05:59	0.590	2:18:05	-29.426	38713	-21837	44447	17.380	-25.660	15.240	0.629	38693	425	-21852	38696	15.240	17.106	0.535	0.089	0.056
6/19/2019	170	2:08:14	0.605	2:27:36	-29.401	38740	-21830	44468	33.810	-10.700	2.360	0.639	38704	420	-21832	38707	2.360	33.694	0.548	0.089	0.057
6/21/2019	172	0:21:01	0.603	0:31:04	-29.349	38761	-21796	44469	8.720	1.690	6.050	0.657	38750	406	-21802	38753	6.050	8.737	0.545	0.089	0.058
6/28/2019	179	1:13:26	0.595	1:25:09	-29.438	38756	-21872	44502	8.920	-5.770	7.940	0.639	38745	408	-21880	38748	7.940	8.859	0.538	0.089	0.057
7/3/2019	184	1:51:00	0.589	2:06:15	-29.458	38713	-21865	44461	7.130	-16.080	-10.630	0.622	38704	414	-21855	38707	-10.630	6.961	0.534	0.089	0.055
7/10/2019	191	1:49:30	0.614	2:06:33	-29.385	38752	-21822	44474	20.400	-16.690	7.400	0.632	38730	432	-21830	38732	7.400	20.216	0.558	0.089	0.056
7/12/2019	193	1:42:21	0.591	1:52:39	-29.456	38712	-21863	44459	10.760	-10.290	-4.770	0.633	38699	410	-21858	38701	-4.770	10.652	0.535	0.089	0.056
7/17/2019	198	1:59:21	0.592	2:11:39	-29.396	38764	-21839	44492	28.570	-13.980	-3.580	0.636	38733	415	-21835	38736	-3.580	28.421	0.536	0.089	0.056
7/19/2019	200	2:34:31	0.562	2:45:46	-29.430	38731	-21850	44469	11.910	-29.110	14.590	0.608	38717	409	-21865	38719	14.590	11.613	0.508	0.089	0.054
7/24/2019	205	2:30:03	0.579	2:44:09	-29.408	38734	-21832	44463	17.610	-20.260	26.870	0.621	38715	412	-21859	38717	26.870	17.399	0.524	0.089	0.055
7/26/2019	207	1:53:22	0.616	2:15:10	-29.389	38738	-21818	44460	15.310	-7.510	-5.500	0.640	38720	424	-21813	38723	-5.500	15.228	0.559	0.089	0.057
7/31/2019	212	1:41:46	0.576	2:03:51	-29.393	38752	-21829	44477	15.980	1.200	-8.290	0.659	38734	388	-21820	38736	-8.290	15.991	0.518	0.089	0.058
8/2/2019	214	1:55:42	0.567	0.091308	-29.643	38626	-21981	44442	9.750	-24.960	13.180	0.610	38614	407	-21994	38616	13.180	9.494	0.513	0.089	0.054
8/7/2019	219	2:45:45	0.573	0.124259	-29.426	38715	-21838	44449	23.410	-28.490	-14.330	0.611	38690	416	-21823	38692	-14.330	23.113	0.519	0.089	0.054
8/9/2019	221	1:41:45	0.596	0.077512	-29.405	38718	-21821	44444	18.920	-14.500	4.600	0.611	38697	417	-21825	38700	4.600	18.765	0.541	0.089	0.054
8/16/2019	228	1:30:28	0.594	1:42:49	-29.405	38744	-21836	44474	13.220	-23.160	-7.650	0.629	38729	425	-21828	38731	-7.650	12.972	0.538	0.089	0.056

Absolute Observation									Iaga/Iemi				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		
8/21/2019	233	2:01:00	0.591	2:37:00	-29.416	38746	-21846	44480	14.490	-30.440	5.270	0.618	38729	430	-21852	38731	5.270	14.163	0.536	0.089	0.055
8/23/2019	235	2:30:12	0.574	2:52:38	-29.626	38664	-21988	44479	18.710	-8.970	31.000	0.635	38643	396	-22019	38645	31.000	18.618	0.517	0.089	0.056
8/28/2019	240	2:18:25	0.615	02:48:13	-29.416	38752	-21849	44487	23.170	-32.900	27.080	0.603	38726	449	-21877	38729	27.080	22.801	0.562	0.089	0.053
8/30/2019	242	1:48:17	0.663	1:58:30	-29.386	38760	-21828	44483	15.940	-19.500	-10.800	0.624	38741	468	-21817	38744	-10.800	15.708	0.608	0.089	0.055
9/4/2019	247	1:26:30	0.559	1:42:15	-29.447	38721	-21860	44465	12.460	-17.720	-3.780	0.628	38706	396	-21856	38708	-3.780	12.282	0.503	0.089	0.056
9/6/2019	249	3:02:43	0.580	3:17:55	-29.395	38743	-21826	44468	52.570	-6.580	-13.880	0.636	38688	399	-21813	38690	-13.880	52.500	0.524	0.089	0.056
9/11/2019	254	2:23:00	0.448	2:41:42	-29.399	38706	-21810	44428	18.390	-19.000	21.950	0.613	38687	321	-21831	38688	21.950	18.236	0.393	0.089	0.054
9/13/2019	256	1:42:02	0.588	2:04:31	-29.400	38747	-21833	44475	18.990	-11.220	5.250	0.628	38726	409	-21838	38728	5.250	18.872	0.532	0.089	0.056
9/18/2019	261	2:06:30	0.586	2:15:43	-29.412	38730	-21834	44461	23.370	-19.860	13.430	0.633	38705	416	-21848	38707	13.430	23.160	0.530	0.089	0.056
9/20/2019	263	2:41:30	0.567	2:51:41	-29.381	38765	-21826	44487	35.760	-12.840	-11.380	0.610	38727	396	-21815	38729	-11.380	35.629	0.513	0.089	0.054
9/25/2019	268	2:08:47	0.574	2:19:36	-29.393	38748	-21827	44472	39.910	-3.760	0.550	0.635	38706	392	-21828	38708	0.550	39.870	0.517	0.089	0.056
9/27/2019	270	1:47:03	0.609	01:58:02	-29.480	38711	-21884	44469	16.890	-16.830	-8.210	0.598	38692	428	-21876	38694	-8.210	16.706	0.556	0.089	0.053
10/2/2019	275	1:41:03	0.620	1:54:39	-29.403	38746	-21835	44475	15.060	1.980	-8.190	0.622	38729	417	-21827	38731	-8.190	15.080	0.564	0.089	0.055
10/9/2019	282	1:28:03	0.578	1:37:19	-29.399	38742	-21829	44469	16.290	-2.470	-19.670	0.624	38724	393	-21809	38726	-19.670	16.264	0.522	0.089	0.055
10/11/2019	284	2:22:15	0.579	2:40:00	-29.363	38754	-21804	44467	32.740	2.220	23.900	0.633	38719	390	-21828	38721	23.900	32.761	0.523	0.089	0.056
10/16/2019	289	1:25:43	0.530	1:38:40	-29.399	38744	-21830	44471	-8.160	-15.350	5.810	0.583	38751	374	-21836	38752	5.810	-8.305	0.479	0.089	0.052
10/18/2019	291	2:35:02	0.584	2:49:48	-29.404	38761	-21844	44492	36.700	-3.680	11.490	0.622	38722	399	-21856	38724	11.490	36.660	0.529	0.089	0.055
10/23/2019	296	1:40:54	0.562	1:52:05	-29.404	38752	-21839	44482	9.630	-12.250	-6.780	0.618	38740	392	-21832	38742	-6.780	9.507	0.507	0.089	0.055
10/25/2019	298	1:55:10	0.565	02:15:48	-29.463	38708	-21867	44458	0.420	-12.820	-3.660	0.621	38706	395	-21863	38708	-3.660	0.291	0.510	0.089	0.055
10/30/2019	303	1:31:29	0.580	1:41:29	-29.380	38765	-21825	44487	11.910	-3.630	-6.910	0.618	38751	396	-21818	38753	-6.910	11.872	0.525	0.089	0.055
11/1/2019	305	1:25:03	0.712	1:39:39	-29.422	38731	-21843	44466	20.240	-3.460	-9.590	0.618	38708	485	-21833	38711	-9.590	20.195	0.657	0.089	0.055
11/6/2019	310	3:10:53	0.563	1:53:30	-29.356	38742	-21791	44450	25.070	-15.320	-26.100	0.600	38715	396	-21765	38717	-26.100	24.915	0.509	0.089	0.053
11/8/2019	312	1:58:20	0.598	2:09:25	-29.377	38768	-21825	44489	21.270	-9.590	-7.230	0.609	38745	414	-21818	38747	-7.230	21.167	0.544	0.089	0.054
11/13/2019	317	1:53:00	0.513	2:11:05	-29.383	38764	-21827	44486	22.250	0.820	0.180	0.616	38740	346	-21827	38741	0.180	22.256	0.458	0.089	0.055
11/15/2019	319	1:51:58	0.551	2:07:30	-29.587	38665	-21953	44463	17.530	-0.890	5.030	0.605	38646	372	-21958	38648	5.030	17.521	0.497	0.089	0.054
11/20/2019	324	0:50:58	0.622	0.04581	-29.396	38740	-21825	44465	5.670	-6.020	-8.520	0.627	38732	426	-21816	38734	-8.520	5.604	0.566	0.089	0.056
11/22/2019	326	2:05:55	0.576	0.095486	-29.394	38743	-21825	44467	7.840	12.110	26.820	0.623	38733	377	-21852	38735	26.820	7.959	0.520	0.089	0.055
11/27/2019	331	2:05:30	0.564	2:15:03	-30.14	38468	-22335	44481	19.010	9.330	23.760	0.629	38447	369	-22358	38449	23.760	19.100	0.508	0.089	0.056
11/29/2019	333	1:32:26	0.534	1:47:19	-29.363	38766	-21811	44481	15.180	-3.740	22.040	0.590	38749	365	-21833	38751	22.040	15.144	0.482	0.089	0.052
12/4/2019	338	1:39:03	0.560	1:55:39	-29.371	38739	-21803	44453	-3.630	-11.570	-11.100	0.597	38741	390	-21792	38743	-11.100	-3.745	0.507	0.089	0.053
12/6/2019	340	1:50:26	0.577	2:02:48	-29.374	38745	-21809	44462	-4.670	1.820	61.750	0.599	38748	389	-21870	38750	61.750	-4.651	0.524	0.089	0.053
12/11/2019	345	1:49:40	0.563	2:27:50	-29.383	38763	-21827	44486	3.250	10.300	52.940	0.616	38758	371	-21880	38760	52.940	3.350	0.509	0.089	0.055

Absolute Observation									Iaga/Iemi				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		
12/13/2018	347	1:18:42	0.570	1:31:35	-29.397	38759	-21837	44487	6.170	-5.610	19.110	0.603	38751	391	-21856	38753	19.110	6.114	0.516	0.089	0.053
12/18/2019	352	1:42:35	0.572	2:02:12	-29.392	38748	-21826	44472	11.260	-10.780	24.260	0.593	38735	398	-21851	38737	24.260	11.150	0.519	0.089	0.053
12/20/2019	354	1:43:30	0.570	2:01:26	-29.394	38729	-21818	44452	-7.890	0.030	11.620	0.619	38735	385	-21829	38737	11.620	-7.889	0.515	0.089	0.055
12/26/2019	360	2:20:42	0.585	02:20:42	-28.347	39133	-21112	44465	-22.720	-1.440	48.630	0.588	39154	401	-21161	39156	48.630	-22.734	0.533	0.088	0.052
12/27/2019	361	1:48:24	0.580	2:04:09	-29.359	38767	-21808	44480	-0.120	9.630	38.050	0.625	38765	383	-21846	38767	38.050	-0.024	0.525	0.089	0.055
1/1/2020	1	1:30:29	0.641	1:37:09	-29.418	38745	-21848	44481	4.520	7.510	9.330	0.630	38738	426	-21857	38741	9.330	4.603	0.585	0.089	0.056
1/3/2020	3	1:36:12	0.557	1:49:30	-29.411	38770	-21856	44506	9.810	17.420	19.370	0.600	38758	360	-21875	38760	19.370	9.975	0.504	0.089	0.053
1/8/2019	8	2:10:24	0.522	2:23:29	-29.467	38724	-21880	44477	-4.940	18.150	52.140	0.615	38727	335	-21932	38729	52.140	-4.779	0.468	0.089	0.055
1/10/2020	10	1:54:57	0.663	2:35:12	-29.372	38750	-21810	44466	3.420	4.700	72.270	0.588	38744	444	-21882	38746	72.270	3.474	0.611	0.089	0.052

BASELINE VALUES FOR THE YEAR OF 2019

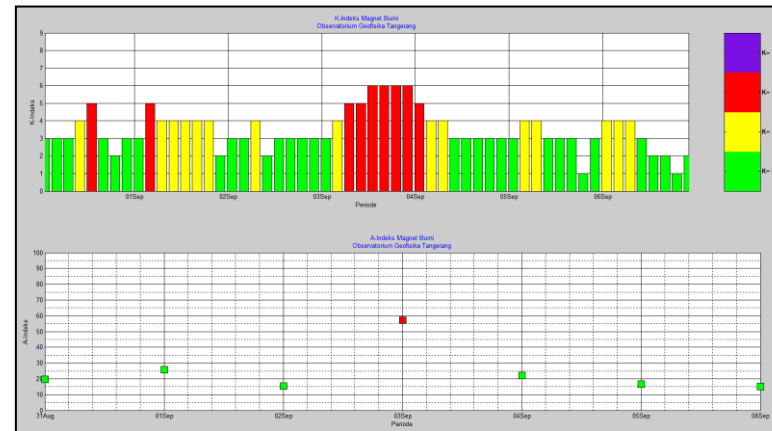


2019 MAGNETIC STORM REPORT

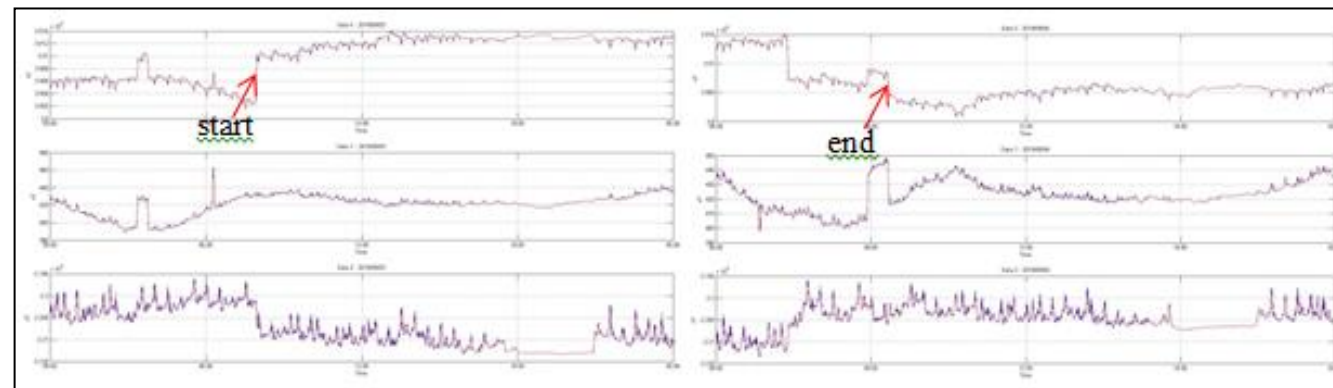
A geomagnetic storm is a major disturbance of Earth's magnetosphere that occurs when there is a very efficient exchange of energy from the solar wind into the space environment surrounding Earth. These storms result from variations in the solar wind that produces major changes in the currents, plasmas, 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 ranges 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 2019, a geomagnetic storm event was recorded in Tangerang Geophysics Station on 3rd – 4th September 2019. This magnetic storm was classified as a "moderate" geomagnetic storm with K value ranging from 5-6 and Ak values ranging from 30-50 (picture 1). This storm was start recorded on 3rd September 2019 at 03.20 UTC and end on 4th September 2019 at 07.00 UTC (picture 2).



Picture 1. K-Indices Graphic 31st August – 6th September 2019



Picture 2. XYZ Component 3rd-4th September 2019

Based on *spaceweather.com*, The Labor Day Storm of 2019 happened just as predicted on August 31st. A stream of solar wind hit Earth's magnetic field, sparking the strongest geomagnetic storm of 2019 ~ G2 Class. We suspect that the storm recorded in Tangerang Geophysics Station is the impact of The Labor Day Storm of 2019, but the Solar Wind on 3rd September 2019 is so thin and weakly magnetized that it is not sparking geomagnetic storm. Maybe there was big noise so that the instruments record it as a storm on 3rd and 4th September 2019.



BMKG

05 Meteorologi Street, Tanah Tinggi, Tangerang 15119

Telp (021) 5523665 | Hp. 081316159505

Fax. (021) 55771822 | datin.stageoftng@gmail.com