



National Load Despatch Centre  
राष्ट्रीय भार प्रेषण केंद्र  
GRID CONTROLLER OF INDIA LIMITED  
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)  
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016  
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: GRID-INDIA/NLDC/SO/Daily PSP Report

दिनांक: 08.04.2025

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ए, शाहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
- कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3, एम आई डी सी क्षेत्र, अंधेरी, मुंबई - 400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापालंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 07.04.2025.**

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 7-अप्रैल-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है।

As per article 38(1) of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 07.04.2025, is available at the NLDC website.

धन्यवाद,  
Thanks

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 08-Apr-2025

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	60096	70031	51628	27672	3057	212484
Peak Shortage (MW)	127	793	0	0	0	920
Energy Met (MU)	1256	1674	1274	610	55	4870
Hydro Gen (MU)	156	48	77	22	10	312
Wind Gen (MU)	27	151	40	-	-	218
Solar Gen (MU)*	201.31	152.92	147.09	3.79	0.98	506
Energy Shortage (MU)	0.72	3.09	0.00	0.42	0.06	4.29
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61133	76299	60414	29180	3269	216332
Time Of Maximum Demand Met	19:15	16:36	15:23	19:24	18:25	19:22

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.034	0.00	0.03	6.03	6.06	75.47	18.47

C. Power Supply Position in States

Region	States	Max.Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	7734	0	163.0	65.7	1.4	789	0.00
	Haryana	8659	0	160.0	108.1	0.6	553	0.01
	Rajasthan	13844	0	283.5	63.5	-2.7	700	0.00
	Delhi	4663	0	96.3	88.3	-1.3	121	0.00
	UP	22580	79	418.8	123.0	0.1	509	0.71
	Uttarakhand	2203	0	40.0	29.7	0.0	207	0.00
	HP	1692	0	32.3	16.2	-0.9	748	0.00
	J&K(UT) & Ladakh(UT)	2771	0	53.6	43.1	-2.6	279	0.00
	Chandigarh	231	0	4.5	4.4	0.1	25	0.00
	Railways_NR ISTS	198	0	4.1	3.8	0.3	48	0.00
WR	Chhattisgarh	6374	0	147.1	89.3	1.1	1180	1.77
	Gujarat	25283	0	490.5	170.3	-5.2	728	0.00
	MP	14226	0	291.8	162.9	-2.8	523	0.00
	Maharashtra	29713	634	662.8	236.3	1.8	1126	1.32
	Goa	778	0	17.0	16.2	0.2	97	0.00
	DNHDDPDCL	1313	0	29.8	29.8	0.0	63	0.00
	AMNSIL	827	0	18.0	8.0	0.6	330	0.00
	BALCO	534	0	12.7	12.7	0.0	0	0.00
	RIL JAMNAGAR	197	0	4.7	4.7	0.0	0	0.00
	Andhra Pradesh	11743	0	232.4	82.1	-1.5	516	0.00
SR	Telangana	13578	0	272.5	132.5	0.6	792	0.00
	Karnataka	14882	0	300.8	121.2	-1.4	1106	0.00
	Kerala	5053	0	94.0	79.4	-1.3	248	0.00
	Tamil Nadu	17791	0	364.1	234.2	-3.7	916	0.00
	Puducherry	490	0	10.5	9.8	0.1	109	0.00
ER	Bihar	6479	0	130.7	120.9	-1.0	322	0.42
	DVC	3277	0	72.2	-39.3	-0.5	482	0.00
	Jharkhand	2050	0	44.9	37.1	-2.7	102	0.00
	Odisha	6113	0	127.0	47.8	-0.8	373	0.00
	West Bengal	10992	0	233.6	108.5	-1.5	230	0.00
	Sikkim	100	0	1.6	1.0	0.6	56	0.00
	Railways_ER ISTS	16	0	0.2	0.2	0.0	3	0.00
NER	Arunachal Pradesh	174	0	3.0	2.9	0.0	27	0.00
	Assam	2033	0	34.0	26.9	0.7	97	0.00
	Manipur	208	0	2.8	2.7	0.2	48	0.06
	Meghalaya	336	0	5.5	4.4	-0.1	53	0.00
	Mizoram	129	0	2.0	1.8	-0.3	18	0.00
	Nagaland	160	0	2.4	2.4	0.0	14	0.00
	Tripura	320	0	5.3	4.1	0.2	62	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.9	-14.6	-23.0	-26.9
Day Peak (MW)	-592.0	-927.7	-982.0	-1375.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	75.9	-292.9	221.4	-19.3	14.9	0.0
Actual(MU)	71.5	-282.2	216.0	-27.3	15.5	-6.6
OD/UD(MU)	-4.4	10.7	-5.3	-8.0	0.5	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4006	6701	3132	3078	611	17528	42
State Sector	6954	7613	6326	2692	237	23822	58
Total	10960	14314	9458	5770	848	41350	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	812	1602	680	711	9	3813	73
Lignite	23	12	54	0	0	88	2
Hydro	156	48	77	22	10	312	6
Nuclear	31	64	71	0	0	166	3
Gas, Naptha & Diesel	13	42	11	0	24	90	2
RES (Wind, Solar, Biomass & Others)	245	306	226	5	1	784	15
Total	1280	2073	1119	738	44	5253	100

Share of RES in total generation (%)	19.14	14.77	20.21	0.74	2.23	14.92
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.75	20.15	33.45	3.66	24.20	24.02

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.064
Based on State Max Demands	1.108

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	215884	16:36	144
Non-Solar hr	216332	19:22	1187

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

\*\*Note: All generation MU figures are gross

\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 08-Apr-2025

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.5	-2.5
3	765 kV	GAYA-VARANASI	2	1215	500	5.6	0.0	5.6
4	765 kV	SASARAM-FATEHPUR	1	421	356	0.0	1.3	-1.3
5	765 kV	GAYA-BALIA	1	180	460	0.0	5.8	-5.8
6	400 kV	PUSAULI-VARANASI	1	0	172	0.0	2.6	-2.6
7	400 kV	PUSAULI-ALLAHABAD	1	82	32	0.1	0.0	0.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	1054	185	7.3	0.0	7.3
9	400 kV	PATNA-BALIA	2	513	644	0.0	6.2	-6.2
10	400 kV	NAUBATPUR-BALIA	2	237	289	0.0	2.1	-2.1
11	400 kV	BIHARSHARIEF-BALIA	2	790	0	7.8	0.0	7.8
12	400 kV	MOTIHARI-GORAKHPUR	2	418	300	0.0	1.0	-1.0
13	400 kV	BIHARSARIEF-SAHUPURI	2	0	0	2.1	0.0	2.1
14	220 kV	SAHUPURI-KARMANASA	1	34	55	0.5	0.0	0.5
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.6	0.0	0.6
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>24.1</b>	<b>21.4</b>	<b>2.7</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1565	0	21.5	0.0	21.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1519	158	17.6	0.0	17.6
3	765 kV	JHARSUGUDA-DURG	2	0	861	0.0	13.6	-13.6
4	400 kV	JHARSUGUDA-RAIGARH	4	10	634	0.0	9.3	-9.3
5	400 kV	RANCHI-SIPAT	2	361	111	2.3	0.0	2.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	101	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	2	69	141	0.0	0.3	-0.3
<b>ER-WR</b>						<b>41.4</b>	<b>24.2</b>	<b>17.2</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	264	0.0	5.2	-5.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1765	0.0	43.5	-43.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2814	0.0	48.0	-48.0
4	400 kV	TALCHER-I/C	2	247	623	0.0	1.1	-1.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>96.7</b>	<b>-96.7</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	264	203	2.0	1.0	1.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	445	187	3.0	0.0	3.0
3	220 kV	ALIPURDUAR-SALAKATI	2	66	42	0.4	0.0	0.4
<b>ER-NER</b>						<b>5.4</b>	<b>1.0</b>	<b>4.4</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	1423	0	20.2	0.0	20.2
<b>NER-NR</b>						<b>20.2</b>	<b>0.0</b>	<b>20.2</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1507	0.0	38.2	-38.2
2	HVDC	VINDHYACHAL B/B	-	0	55	0.0	1.3	-1.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1175	0.0	26.0	-26.0
4	765 kV	GWALIOR-AGRA	2	532	1619	0.9	15.8	-14.9
5	765 kV	GWALIOR-PHAGI	2	1573	1011	9.1	7.8	1.3
6	765 kV	JABALPUR-ORAI	2	469	612	0.0	8.4	-8.4
7	765 kV	GWALIOR-ORAI	1	813	0	11.4	0.0	11.4
8	765 kV	SATNA-ORAI	1	0	1049	0.0	16.0	-16.0
9	765 kV	BANASKANTHA-CHITORGARH	2	1156	635	6.5	3.3	3.2
10	765 kV	VINDHYACHAL-VARANASI	2	0	2663	0.0	46.2	-46.2
11	400 kV	ZERDA-KANKROLI	1	344	52	0.1	2.6	-2.5
12	400 kV	ZERDA-BHINMAL	1	233	36	1.8	0.1	1.7
13	400 kV	VINDHYACHAL-RIHAND	1	968	0	20.3	0.0	20.3
14	400 kV	RAPP-SHUJALPUR	2	815	26	7.6	0.0	7.6
15	400 kV	NEEMUCH-Chittorgarh	2	664	72	5.9	0.1	5.8
16	220 kV	BHANPURA-RANPUR	1	0	132	0.0	2.5	-2.5
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
18	220 kV	MEHGAON-AURAIYA	1	76	0	1.1	0.0	1.1
19	220 kV	MALANPUR-AURAIYA	1	65	0	0.8	0.0	0.8
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>67.9</b>	<b>168.0</b>	<b>-100.1</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1011	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGAUR	2	0	4006	0.0	82.0	-82.0
3	765 kV	SOLAPUR-RAICHUR	2	840	1620	3.4	7.9	-4.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2855	0.0	36.9	-36.9
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2805	0.0	40.0	-40.0
6	400 kV	KOLHAPUR-KUDGI	2	1353	0	20.1	0.0	20.1
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	125	2.4	0.0	2.4
<b>WR-SR</b>						<b>25.9</b>	<b>190.7</b>	<b>-164.8</b>

INTERNATIONAL EXCHANGES						Import(+ve)/Export(-ve)	
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)	
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	290	-138	102	2.45	
	ER	400kV TALA-BINAGURI 1,2,4 & 400kV MALBASE - BINAGURI I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-311	-16	-158	-3.79	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-255	-104	-181	-4.35	
	NER	132kV GELEPHU-SALAKATI	-21	-7	-13	-0.30	
	NER	132kV MOTANGA-RANGIA	7	0	3	0.07	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-73	0	-43	-1.04	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-45	-1.09	
	ER	NEPAL IMPORT (FROM BIHAR)	-310	0	-149	-3.59	
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-618	-14	-371	-8.90	
	ER	BHERAMARA B/B HVDC (B'DESH)	-938	-882	-923	-22.15	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1375	-806	-1120	-26.88	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-44	0	-33	-0.80	

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 08-Apr-2025

## Export From India (in MU)

Export From India (in MFC)		T-GNA							TOTAL
Country	GNA (ISGS/PPA)	BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.33	5.50	0.00	0.00	1.34	0.00	0.00	7.17
Nepal	3.59	0.00	4.78	0.00	0.00	3.04	0.00	0.00	11.41
Bangladesh	22.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.92
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	26.51	0.33	10.28	0.00	0.00	4.38	0.00	0.00	41.50

## Import by India(in MU)

Import by India (M€)									
Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60

## Net from India(in MU)

-ve : Export / +ve : Import

Net from India(In. M€)			T-GNA						-ve : Export / +ve : Import
Country	GNA (ISGS/PPA)	BILATERAL TOTAL	COLLECTIVE						TOTAL
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.60	-0.33	-5.50	0.00	0.00	-1.34	0.00	0.00	-6.57
Nepal	-3.59	0.00	-4.78	0.00	0.00	-3.04	0.00	0.00	-11.41
Bangladesh	-22.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.92
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-25.91	-0.33	-10.28	0.00	0.00	-4.38	0.00	0.00	-40.90

Date of Reporting: 08-Apr-2025												
15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)												
TIME	FREQUENCY (Hz)	DEMAND MET (MW)	NUCLEAR (MW)	WIND (MW)	SOLAR (MW)	HYDRO** (MW)	GAS (MW)	THERMAL (MW)	OTHERS* (MW)	NET DEMAND MET (MW)	TOTAL GENERATION (MW)	NET TRANSNATIONAL EXCHANGE (MW) (+ve) Import, (-ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-C+D)	(J=B+C+D+E+H+G+H)	
0:00	50.09	194032	6462	14131	86	11289	2840	159379	2065	179815	196252	-1438
0:15	50.08	193974	6459	14876	82	10447	2997	159872	2082	179016	196815	-1435
0:30	50.08	192915	6451	15073	83	10422	2931	158480	2109	177759	195549	-1467
0:45	50.03	191446	6464	14918	92	10588	2928	157029	2065	176436	194084	-1457
1:00	50.03	189784	6457	15026	87	10324	2850	155353	2057	174671	192154	-1408
1:15	50.03	188361	6461	15571	92	9699	2824	154170	2068	172698	190885	-1452
1:30	49.98	186884	6453	15841	95	9116	2820	153111	2057	170948	189493	-1436
1:45	49.98	185417	6467	15444	111	8654	2812	152500	2041	169862	188029	-1427
2:00	50.03	184233	6461	15295	113	8338	2745	151655	2059	168825	186666	-1401
2:15	49.98	183397	6451	14976	106	7944	2728	151690	2031	168315	185926	-1386
2:30	49.98	182427	6474	14733	102	7824	2724	151059	2036	167592	184952	-1313
2:45	49.93	181662	6458	14615	96	8079	2716	150390	2057	166931	184411	-1340
3:00	50.03	180717	6491	14385	90	7902	2676	149773	2102	166242	183419	-1327
3:15	49.93	180198	6467	13935	83	7785	2680	149800	2053	166180	182803	-1286
3:30	50.03	179672	6493	13702	76	7838	2670	149590	2015	165894	182384	-1351
3:45	50.03	179586	6516	13395	77	7759	2675	149849	2019	166114	182290	-1354
4:00	49.98	179169	6496	13029	78	7910	2691	149873	2050	166062	182127	-1363
4:15	49.98	180780	6499	12781	79	8450	2681	150941	2051	167920	183492	-1098
4:30	49.98	181532	6538	12904	79	8589	2684	151382	2035	168549	184211	-1100
4:45	49.98	183013	6493	12773	76	9062	2686	152468	2079	170164	185637	-1094
5:00	50.03	183558	6539	12458	77	9294	2672	153330	2038	171023	186408	-1119
5:15	49.87	185692	6488	11974	76	9792	2683	155395	2009	173642	188417	-1110
5:30	49.98	188146	6551	11868	76	10738	2688	157140	2103	176202	191164	-1142
5:45	49.98	190237	6508	11561	79	11866	2707	158244	2068	178597	193033	-1167
6:00	50.02	191691	6575	11124	81	12771	2796	159402	2046	180486	194795	-1265
6:15	49.92	194979	6572	10744	176	13715	2887	161800	2029	184059	197923	-1773
6:30	50.02	197093	6539	10291	645	14970	2909	162941	2039	186157	200334	-1848
6:45	50.02	197697	6603	10012	1989	14552	2937	162521	2100	185696	200714	-1847
7:00	50.02	197290	6556	9748	4354	13751	2879	160792	2065	183188	200145	-1893
7:15	50.02	196986	6546	9352	7811	13099	2847	158015	2068	179823	199738	-1999
7:30	50.07	196856	6553	8824	12231	12567	2718	154210	2153	175801	199256	-1955
7:45	50.07	196362	6547	8274	17233	11772	2637	149889	2160	170855	198512	-1984
8:00	50.12	195685	6554	7584	22576	11073	2661	145565	2216	165525	198229	-2199
8:15	50.02	196706	6521	6547	28035	10321	2589	142837	2227	162124	199077	-2196
8:30	50.02	198687	6510	5485	32970	9935	2600	141154	2198	160232	200852	-2186
8:45	49.97	201095	6466	4732	37525	9446	2662	140586	2126	158838	203543	-2224
9:00	50.02	202374	6508	4238	41499	9042	2603	138625	2149	156637	204664	-2219
9:15	49.92	206355	6449	3936	45468	8724	2582	137728	2177	156951	207064	-2333
9:30	49.92	209177	6485	3764	50115	8209	2581	137480	2232	155298	210866	-2294
9:45	49.97	210833	6498	3834	53148	8924	2584	135475	2189	153851	212652	-2304
10:00	50.02	211188	6451	3941	55578	9043	2587	133140	2206	151669	212946	-2323
10:15	50.02	211267	6456	4121	57612	8546	2607	131565	2214	149534	213121	-2312
10:30	50.02	211530	6440	4473	59470	8389	2578	131290	2204	147587	214844	-2302
10:45	50.02	211665	6454	4754	60534	8701	2616	129625	2189	146377	214873	-2299
11:00	50.07	210832	6443	5130	61518	8204	2601	128335	2209	144184	214440	-2281
11:15	50.02	209563	6434	5347	61630	7987	2648	125788	2198	142586	212032	-2320
11:30	50.02	209452	6421	5095	62224	8418	2647	124782	2233	142133	211820	-2306
11:45	49.92	209518	6391	5051	62403	8260	2750	124456	2272	142064	211583	-2317
12:00	49.92	208624	6416	4914	62524	8390	2805	123836	2209	141186	211094	-2335
12:15	49.92	206726	6444	4860	62871	7750	2839	122128	2247	138995	209139	-2369
12:30	49.97	206696	6410	4844	62025	7966	2884	124332	2182	139827	208743	-2314
12:45	49.92	205931	6393	4787	61121	8045	2960	122809	2200	140023	208315	-2295
13:00	49.92	203675	6371	4762	59690	7953	3041	121796	2245	139223	205858	-2322
13:15	49.87	202380	6383	4839	59687	7290	3026	120932	2187	137854	204344	-2319
13:30	49.97	202333	6369	4867	58299	7380	3045	122216	2182	139167	204358	-2372
13:45	50.02	203901	6380	5156	57488	7351	3077	124002	2181	141257	205635	-2393
14:00	50.07	205182	6373	5372	56375	7342	3067	126714	2158	143435	207401	-2401
14:15	50.02	207312	6352	5497	55739	6525	3092	129919	2194	146076	209318	-2360
14:30	50.02	208891	6371	5550	54623	6784	3095	132093	2173	148718	210689	-2294
14:45	49.92	210923	6358	5423	53654	7150	3109	135055	2152	151846	212901	-2284
15:00	49.97	212110	6357	5513	51618	8003	3189	136942	2144	154979	213766	-2364
15:15	50.02	212626	6374	5646	51094	7948	3269	138179	2129	155886	214639	-2354
15:30	50.02	214057	6321	5478	49030	8795	3258	140393	2106	159549	215381	-2339
15:45	50.02	214733	6356	5847	45985	9423	3310	144032	2119	162901	217072	-2303
16:00	50.02	214657	6356	5979	42851	9697	3493	147019	2065	165827	217460	-2342
16:15	49.97	214508	6340	6214	38766	10400	3588	149125	2038	169528	216471	-2322
16:30	49.97	215563	6353	6260	35035	11521	3884	152401	2057	174268	217511	-2330
16:45	50.02	215681	6381	6149	31032	12411	4198	155537	2038	178500	217746	-2139
17:00	50.02	213691	6422	6098	26308	13255	4378	157227	2075	181285	215763	-2024
17:15	49.97	211314	6439	6443	21077	13647	4733	158663	1992	183794	212994	-1576
17:30	50.02	210409	6367	6348	16840	14616	4882	161226	2033	187221	212312	-1616
17:45	50.02	209428	6388	6402	12096	15901	5162	162811	2039	190930	210799	-1304
18:00	50.07	207065	6365	6199	8215	16859	5217	163478	1975	192551	208408	-1245
18:15	49.97	206255	6390	6007	5437	17950	5282	164391	2016	194811	207473	-993
18:30	50.07	209851	6456	6109	2699	20992	5800	166425	2062	201043	210544	-998
18:45	49.92	213630	6407	6301	1157	24189	5957	168580	2036	206172	214627	-995
19:00	49.97	214378	6383	6490	536	25235	5672	169955	2110	207352	216381	-999
19:15	49.81	215092	6419	6714	419	25931	5610	169861	2159	207959	217113	-963
19:30	49.97	215325	6406	7177	354	25741	5715	169961	2094	207794	217448	-1001
19:45	50.02	215029	6397	7448	315	24754	5744	170185	2130	207266	216973	-991
20:00	50.07	212794	6452	7823	338	23765	5686	168791	2085	204633	214940	-1025
20:15	50.06	211405	6427	8275	124	22959	5532	167918	2112	203006	213347	-1240
20:30	50.02	210925	6426	8813	124	21319	5512	168513	2126	201988	212833	-1240
20:45	50.07	210372	6448	9292	127	20665	5494	168435	2095	200953	212556	-1247
21:00	50.07	209780	6431	9429	129	20528	5480	167878	2095	200222	211970	-1282
21:15	50.07	209010	6484	9720	127	19646	5430	167453	2160	199163	211020	-1239
21:30	50.02	209437	6443	9853	86	19707	5488	167725	2118	199498	211420	-1194
21:45	50.02	210154	6420	10173	89	20449	5487	167626	2155	199892	212399	-1174
22:00	50.12	209165	6405	10514	85	20990	5480	166157	2105	198566	211736	-1193
22:15	50.02	212116	6433	10932	85	21526						