



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: 16.04.2025

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 15.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 15-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 15.04.2025, 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: 16-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)	64323	70007	52360	24615	2778	214083
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1333	1708	1256	531	53	4881
Hydro Gen (MU)	178	56	68	26	10	338
Wind Gen (MU)	10	158	51	-	-	220
Solar Gen (MU)*	207.37	148.83	147.01	3.97	0.74	508
Energy Shortage (MU)	0.00	0.52	0.00	0.08	0.00	0.60
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65440	77001	59418	25309	3014	215142
Time Of Maximum Demand Met	19:50	15:52	14:46	23:04	18:33	19:30

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	0.028	0.00	0.19	3.14	3.32	81.22	15.46

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	9388	0	180.9	77.4	-0.4	421	0.00
	Haryana	9085	0	176.0	124.8	-0.9	358	0.00
	Rajasthan	14224	0	303.3	102.9	-2.2	536	0.00
	Delhi	5066	0	105.9	97.0	-2.2	120	0.00
	UP	23183	0	428.8	136.5	-0.9	434	0.00
	Uttarakhand	2222	0	46.4	34.1	0.2	88	0.00
	HP	1411	0	29.2	10.4	-0.7	336	0.00
	J&K(UT) & Ladakh(UT)	2649	0	53.7	41.9	-1.5	215	0.00
	Chandigarh	244	0	4.9	4.9	0.1	21	0.00
	Railways_NR ISTS	213	0	4.2	3.9	0.3	45	0.00
	Chhattisgarh	6449	0	143.3	90.1	0.9	448	0.00
WR	Gujarat	25462	0	499.0	188.5	-2.3	1378	0.00
	MP	13768	0	305.9	176.5	1.7	1035	0.52
	Maharashtra	29601	0	678.0	229.0	3.6	575	0.00
	Goa	792	0	17.4	16.8	0.0	57	0.00
	DNHDDPDCL	1318	0	30.3	30.3	0.0	35	0.00
	AMNSIL	816	0	18.2	8.2	0.2	324	0.00
	BALCO	532	0	12.7	12.7	0.0	13	0.00
	RIL JAMNAGAR	160	0	3.2	3.2	0.0	0	0.00
	Andhra Pradesh	11079	0	227.7	68.9	-0.6	485	0.00
	Telangana	12190	0	248.0	105.6	-0.5	526	0.00
	Karnataka	15029	0	297.6	121.5	-2.8	1466	0.00
SR	Kerala	4926	0	92.1	76.9	0.0	366	0.00
	Tamil Nadu	18582	0	380.6	249.7	-2.2	904	0.00
	Puducherry	481	0	10.3	10.4	-0.1	34	0.00
	Bihar	6139	0	113.3	100.3	2.0	397	0.08
	DVC	3185	0	67.3	-37.9	0.0	517	0.00
	Jharkhand	1656	0	36.3	28.9	-0.5	363	0.00
	Odisha	5704	0	116.9	26.9	-1.7	496	0.00
	West Bengal	9649	0	195.3	63.2	-2.3	457	0.00
	Sikkim	94	0	1.4	1.5	-0.1	39	0.00
	Railways_ER ISTS	20	0	0.2	0.2	-0.1	3	0.00
	Arunachal Pradesh	170	0	2.6	2.8	-0.2	31	0.00
NER	Assam	1793	0	31.8	25.3	0.3	133	0.00
	Manipur	212	0	2.6	2.7	-0.1	29	0.00
	Meghalaya	330	0	5.8	3.9	-0.3	96	0.00
	Mizoram	134	0	2.2	1.8	-0.1	24	0.00
	Nagaland	142	0	2.5	2.6	-0.1	20	0.00
	Tripura	268	0	5.9	4.7	0.2	39	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.3	-12.8	-22.9	-20.1
Day Peak (MW)	-429.0	-792.0	-981.0	-1381.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	153.4	-243.0	216.5	-140.0	13.1	0.0
Actual(MU)	139.1	-205.9	194.3	-145.4	12.8	-5.2
O/D/U/D(MU)	-14.3	37.1	-22.2	-5.4	-0.4	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4638	8683	4878	1978	611	20787	47
State Sector	8364	8283	5436	1049	139	23271	53
Total	13002	16966	10314	3027	750	44058	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	806	1551	696	739	10	3803	72
Lignite	24	16	45	0	0	85	2
Hydro	178	56	68	26	10	338	6
Nuclear	26	65	70	0	0	160	3
Gas, Naptha & Diesel	12	40	10	0	24	86	2
RES (Wind, Solar, Biomass & Others)	230	309	239	6	1	784	15
Total	1277	2036	1127	770	45	5256	100

Share of RES in total generation (%)	18.02	15.16	21.16	0.72	1.65	14.91
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.02	21.08	33.41	4.10	23.05	24.40

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.069
Based on State Max Demands	1.107

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	212192	15:51	0
Non-Solar hr	215142	19:30	0

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: 16-Apr-2025

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.4	-2.4
3	765 kV	GAYA-VARANASI	2	777	995	0.0	7.4	-7.4
4	765 kV	SASARAM-FATEHPUR	1	269	632	0.0	7.2	-7.2
5	765 kV	GAYA-BALIA	1	112	726	0.0	9.1	-9.1
6	400 kV	PUSAULI-VARANASI	1	0	140	0.0	1.4	-1.4
7	400 kV	PUSAULI-ALLAHABAD	1	47	94	0.0	0.8	-0.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	778	534	0.0	1.5	-1.5
9	400 kV	PATNA-BALIA	2	303	919	0.0	11.8	-11.8
10	400 kV	NAUBATPUR-BALIA	2	217	298	0.0	3.9	-3.9
11	400 kV	BIHARSHARIEF-BALIA	2	508	207	2.1	0.0	2.1
12	400 kV	MOTIHARI-GORAKHPUR	2	267	474	0.0	4.9	-4.9
13	400 kV	BIHARSARIEF-SAHUPURI	2	299	373	0.0	2.4	-2.4
14	220 kV	SAHUPURI-KARMANASA	1	5	62	0.0	0.7	-0.7
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.5	0.0	0.5
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
						ER-NR	2.7	53.4
								-50.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	775	1198	0.0	7.7	-7.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	750	714	0.0	0.2	-0.2
3	765 kV	JHARSUGUDA-DURG	2	0	827	0.0	14.7	-14.7
4	400 kV	JHARSUGUDA-RANCHI	4	0	824	0.0	14.2	-14.2
5	400 kV	RANCHI-SIPAT	2	99	340	0.0	3.3	-3.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	147	0.0	3.6	-3.6
7	220 kV	BUDHIPADAR-KORBA	2	47	175	0.0	1.2	-1.2
						ER-WR	0.0	44.7
								-44.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	161	0.0	2.7	-2.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1763	0.0	43.2	-43.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	3097	0.0	52.0	-52.0
4	400 kV	TALCHER-I/C	2	486	975	0.0	2.2	-2.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
						ER-SR	0.0	97.9
								-97.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	293	363	1.8	0.8	1.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	472	133	2.3	0.0	2.3
3	220 kV	ALIPURDUAR-SALAKATI	2	92	28	0.9	0.0	0.9
						ER-NER	5.0	0.8
								4.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	704	0	17.4	0.0	17.4
						NER-NR	17.4	17.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1504	0.0	48.0	-48.0
2	HVDC	VINDHYACHAL B/B	-	49	0	1.2	0.0	1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1455	0.0	31.0	-31.0
4	765 kV	GWALIOR-AGRA	2	856	1532	3.8	14.7	-10.9
5	765 kV	GWALIOR-PHAGI	2	1469	1399	7.8	14.9	-7.2
6	765 kV	JABALPUR-ORAI	2	627	936	0.0	12.7	-12.7
7	765 kV	GWALIOR-ORAI	1	994	0	15.5	0.0	15.5
8	765 kV	SATNA-ORAI	1	0	1241	0.0	19.8	-19.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1154	455	9.5	1.2	8.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2497	0.0	38.7	-38.7
11	400 kV	ZERDA-KANKROLI	1	327	53	3.1	0.1	3.0
12	400 kV	ZERDA-BHINMAL	1	226	36	2.1	0.1	2.1
13	400 kV	VINDHYACHAL-RIHAND	1	973	0	20.2	0.0	20.2
14	400 kV	RAPP-SHUALPUR	2	919	217	7.0	0.9	6.2
15	400 kV	NEEMUCH-Chittorgarh	2	832	283	6.2	1.2	5.0
16	220 kV	BHANPURA-RANPUR	1	0	141	0.0	2.7	-2.7
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2
18	220 kV	MEHGAON-AURAIYA	1	82	0	0.9	0.0	0.9
19	220 kV	MALANPUR-AURAIYA	1	61	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	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
						WR-NR	78.2	188.2
								-110.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1013	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGAUR	2	0	5008	0.0	83.1	-83.1
3	765 kV	SOLAPUR-RAICHUR	2	860	1355	7.0	4.3	2.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2850	0.0	30.5	-30.5
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2828	0.0	32.4	-32.4
6	400 kV	KOLHAPUR-KUDGI	2	1448	0	24.6	0.0	24.6
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	113	2.2	0.0	2.2
						WR-SR	33.9	174.3
								-140.4

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 MANGDECHU HEP 4*180MW)	271	-74	147	3.54
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-270	81	-144	-3.45
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-254	-154	-205	-4.93
	NER	132kV GELEPHU-SALAKATI	-24	-10	-16	-0.38
	NER	132kV MOTANGA-RANGIA	-9	3	-3	-0.08
NEPAL	NR	NEPAL IMPORT (FROM UP)	-69	0	-45	-1.07
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-69	0	-42	-1.02
	ER	NEPAL IMPORT (FROM BIHAR)	-289	0	-175	-4.20
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-503	0	-271	-6.51
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-940	-870	-918	-22.04
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1381	-400	-836	-20.07
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-41	0	-34	-0.82

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 16-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	0.39	2.97	0.00	0.00	2.89	0.00	0.00	6.25
Nepal	4.09	0.00	2.97	0.00	0.00	3.72	0.00	0.00	10.78
Bangladesh	22.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.79
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	26.88	0.39	5.94	0.00	0.00	6.61	0.00	0.00	39.82

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	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71
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	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71

Net from India(in MU)

-ve : Export / +ve : Import

Net from India(In INR)						-ve : Export / +ve : Import			
Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.71	-0.39	-2.97	0.00	0.00	-2.89	0.00	0.00	-5.54
Nepal	-4.09	0.00	-2.97	0.00	0.00	-3.72	0.00	0.00	-10.78
Bangladesh	-22.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.79
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-26.17	-0.39	-5.94	0.00	0.00	-6.61	0.00	0.00	-39.11

Date of Reporting: 16-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+F+G+H)	(K)
0:00	50.04	200831	6285	10012	358	16741	3549	163750	2026	190461	202721	-1420
0:15	50.04	200326	6271	10455	351	14645	3396	164849	1998	189520	201965	-1425
0:30	49.99	199289	6287	10819	333	14681	3205	163819	2033	188137	201177	-1413
0:45	49.99	197886	6281	11037	331	13874	3172	163059	2045	186518	199799	-1438
1:00	50.04	196325	6291	10952	357	13126	3176	162080	2040	185016	198022	-1482
1:15	49.99	193407	6295	11151	374	11955	3176	160564	2029	181882	195544	-1474
1:30	49.99	192639	6284	9903	5755	11839	3153	160124	2022	179681	199080	-1478
1:45	49.94	191050	6251	10785	403	11425	3080	159524	1986	179862	193454	-1692
2:00	50.04	189880	6274	10744	405	11266	2974	158980	1978	178731	192621	-1658
2:15	49.94	188866	6293	10707	397	10398	2948	158360	1956	177762	191059	-1558
2:30	49.94	188049	6252	10603	400	10179	2926	157956	1988	177046	190304	-1567
2:45	49.94	186962	6300	10449	424	10319	2961	156726	1992	176089	189171	-1583
3:00	49.99	185675	6281	10269	424	10289	2961	155790	1961	174982	187975	-1614
3:15	49.99	184933	6247	10307	419	10328	2948	155133	1959	174207	187341	-1621
3:30	49.99	184252	6309	10593	419	10300	2958	154101	1955	173240	186635	-1618
3:45	50.04	184105	6266	10840	406	10219	3024	153771	1963	172859	186489	-1598
4:00	50.04	183530	6294	10839	401	10290	3025	153024	1994	172290	185867	-1589
4:15	50.04	184507	6278	10732	381	10254	3028	153731	2003	173394	186407	-1067
4:30	50.04	184811	6268	10544	445	10210	3023	154463	2009	173822	186962	-1086
4:45	49.99	185836	6317	10349	455	10643	3021	155113	1988	175032	187886	-1092
5:00	50.04	186513	6284	10147	455	10648	3039	156206	2006	175911	188785	-1088
5:15	49.99	189056	6285	9810	439	10588	3031	159082	2027	178807	191230	-1096
5:30	49.94	191071	6288	9277	476	11327	3031	160997	1999	181318	193395	-1064
5:45	49.94	193264	6383	8792	412	12015	3054	162904	2026	184060	195536	-1099
6:00	50.09	194297	6314	8584	483	12220	3045	164503	2011	185230	197160	-1223
6:15	49.99	196113	6319	8768	1024	12471	3087	165902	2021	186321	199592	-1719
6:30	50.09	197838	6287	8782	1718	13546	3104	165891	2085	187338	201413	-1758
6:45	50.09	198173	6349	8819	3456	13141	3114	164858	2012	185898	201749	-1776
7:00	50.09	197012	6323	8532	5987	13035	3117	161823	2073	182493	200890	-1818
7:15	49.99	196738	6337	7830	9573	12397	3137	158714	2070	179335	200058	-1749
7:30	49.99	196109	6376	6915	13764	12094	3175	154941	2090	175430	199355	-1772
7:45	50.04	194702	6353	5964	18634	11731	3188	149606	2108	170104	197584	-1769
8:00	50.04	194012	6329	5015	24052	11274	3202	144967	2139	164945	196978	-1771
8:15	49.99	195318	6317	4493	29026	10839	3230	142009	2127	161799	198041	-1719
8:30	49.99	196696	6337	4285	34041	10221	3252	139133	2143	158370	199412	-1695
8:45	49.99	198382	6332	4316	38422	9959	3305	136629	2090	156644	201053	-1745
9:00	49.99	200666	6307	4248	42684	9967	3313	134495	2102	153734	203116	-1701
9:15	49.89	203726	6277	4225	46545	9605	3302	134394	2179	152956	206527	-1732
9:30	49.98	205294	6323	4302	49916	9591	3301	132288	2114	151076	207835	-1777
9:45	49.93	207005	6320	4164	52903	9636	3277	130811	2136	149938	209247	-1810
10:00	49.98	206645	6290	4207	55617	9557	3280	128163	2136	146821	209250	-1945
10:15	49.98	206440	6310	4224	57603	9108	3292	126200	2132	144613	208869	-1928
10:30	49.98	206752	6237	4305	59294	9056	3277	124956	2179	143153	209304	-1944
10:45	49.98	207442	6283	4319	60548	9191	3293	124075	2139	142575	209848	-1956
11:00	50.03	207369	6312	4514	62105	9241	3254	122242	2148	140750	209816	-1962
11:15	50.03	205901	6287	4549	62810	8494	3266	120838	2133	138542	208377	-1986
11:30	50.03	206156	6253	4545	63580	9126	3270	119919	2213	138031	208906	-1968
11:45	49.98	206320	6276	4510	63923	8831	3274	119857	2141	137887	208812	-1991
12:00	50.03	205068	6288	4555	64122	8735	3306	118637	2144	136291	207787	-1960
12:15	49.98	203472	6280	4596	64100	7912	3326	118032	2165	134776	206411	-1977
12:30	49.98	203158	6250	4592	63994	8241	3356	117568	2163	134571	206165	-2001
12:45	49.99	203054	6244	4611	63931	8438	3272	117135	2175	134512	205806	-1980
13:00	50.08	201922	6278	4549	63526	8336	3282	116326	2222	133847	204519	-2005
13:15	49.98	204007	6223	4663	63178	7918	3274	115383	2147	132566	202786	-2002
13:30	50.03	200781	6240	4787	62707	8249	3270	115971	2154	133287	203378	-2012
13:45	49.98	202402	6228	4915	61520	9220	3273	117710	2120	135967	204986	-2063
14:00	50.03	203076	6217	5021	60970	9795	3270	118158	2102	137085	205533	-2051
14:15	49.92	205069	6227	5278	59445	9782	3273	121410	2088	140346	207503	-2050
14:30	49.97	208779	6219	5464	58033	10106	3305	126030	2054	145282	211211	-2057
14:45	49.97	209437	6215	6064	56507	10126	3318	125781	1932	146866	209943	-2049
15:00	50.02	210035	6251	5856	54267	10432	3325	130779	2053	149912	212963	-2052
15:15	50.02	209978	6259	6207	51862	10010	3325	133131	1987	151909	212781	-2110
15:30	50.02	211963	6242	6645	49060	10508	3349	136763	1988	156258	214555	-2058
15:45	49.97	211087	6249	6857	45762	10987	3396	139167	1983	158468	214401	-2063
16:00	50.02	211216	6241	7104	42330	11548	3432	141801	1963	161782	214419	-2029
16:15	50.02	211036	6274	7641	38861	11315	3428	139035	1932	164534	208486	-2047
16:30	50.02	211683	6269	7940	35030	11537	3476	142347	1923	168713	208522	-2052
16:45	49.97	212003	6190	8357	31049	12303	3524	145132	1935	172597	208490	-2042
17:00	50.07	209664	6215	8867	26523	13501	3563	153448	1897	174274	214014	-1991
17:15	50.07	207699	6275	9466	22172	14100	3599	154058	1853	176061	211523	-1387
17:30	50.07	207718	6268	9594	17713	15282	3620	155234	1928	180411	209639	-1123
17:45	50.07	205378	6250	8951	13340	16281	3611	157672	1928	182087	208033	-1127
18:00	50.07	203715	6231	8872	9096	16297	3670	160510	1836	185747	206512	-1103
18:15	50.02	203706	6230	9027	5924	16869	3736	163102	1848	188745	206746	-972
18:30	50.08	206357	6213	9110	3495	19220	3689	166203	1872	193752	209802	-985
18:45	49.98	208953	6289	8783	2046	21425	3845	167942	1879	198124	212209	-946
19:00	49.98	212613	6258	8448	1342	24046	4055	169955	1882	202823	215986	-974
19:15	49.87	214543	6237	8246	1125	25568	4041	170824	1886	205172	217927	-857
19:30	49.87	215142	6224	8113	1094	25593	4037	171668	1882	205935	218611	-932
19:45	49.98	214925	6226	8205	1101	25875	4042	171125	1936	205619	218510	-951
20:00	50.03	213811	6250	8430	1106	25353	4043	170471	1954	204275	217607	-941
20:15	50.03	212132	6246	8773	457	23475	4043	170156	1985	202902	215135	-942
20:30	50.03	211497	6199	9106	476	22976	4045	169832	1888	201915	214522	-983
20:45	49.92	210549	6142	9433	493	20894	4050	170575	1925	200623	213512	-972
21:00	50.03	209780	6132	9844	443	20412	4043	169918	1910	199493	212702	-957
21:15	49.97	209688	6137	10086	454	19895	4037	170079	1911	199148	212599	-1043
21:30	50.03	210652	6092	10187	445	20747	4034	169890	1947	200020	213342	-1050
21:45	50.08	210662	6050	10445	465	21143	4036	169125	1940	199752	213204	-1051
22:00	50.03	210266	5997	10984	428	20976	4049	168775	1889	198854	213098	-1030
22:15	49.93	212477	5930	10667	411							