



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: 24.04.2025

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 23.04.2025.**

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 23-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 23.04.2025, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 24-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)	66739	70434	54224	29528	2731	223656
Peak Shortage (MW)	204	521	50	0	0	775
Energy Met (MU)	1434	1728	1326	647	51	5187
Hydro Gen (MU)	196	66	86	42	16	407
Wind Gen (MU)	9	96	46	-	-	152
Solar Gen (MU)*	225.84	157.76	145.14	4.23	0.84	534
Energy Shortage (MU)	1.62	15.07	0.30	0.49	0.00	17.48
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68167	79522	63145	31159	2747	226955
Time Of Maximum Demand Met	19:50	15:44	15:36	23:20	18:34	15:45

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	0.029	0.01	0.41	2.06	2.48	75.37	22.15

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	9821	0	193.1	80.6	-0.8	328	0.00
	Haryana	9561	13	193.9	134.9	0.1	229	0.81
	Rajasthan	14482	0	305.8	90.2	-4.3	324	0.00
	Delhi	5531	0	112.6	91.6	-4.4	196	0.00
	UP	24755	0	480.6	142.5	0.4	765	0.00
	Uttarakhand	2367	0	48.9	28.2	-0.7	101	0.47
	HP	1723	0	34.8	15.1	-0.2	606	0.00
	J&K(UT) & Ladakh(UT)	2589	0	54.7	40.3	-1.2	243	0.34
	Chandigarh	291	0	5.8	5.8	-0.1	19	0.00
WR	Railways NR ISTS	201	0	4.1	3.6	0.5	73	0.00
	Chhattisgarh	6720	0	147.8	93.8	0.0	811	5.86
	Gujarat	25262	0	501.7	168.7	-4.8	643	0.00
	MP	14453	0	310.0	184.8	-0.7	602	3.08
	Maharashtra	30655	0	686.6	249.3	3.6	1467	6.13
	Goa	815	0	17.6	16.4	0.7	86	0.00
	DNHDDPDCL	1373	0	31.5	31.4	0.1	81	0.00
	AMNSIL	799	0	17.8	7.8	-0.6	240	0.00
	BALCO	533	0	12.7	12.7	0.0	46	0.00
	RIL JAMNAGAR	159	0	1.9	1.9	0.0	0	0.00
	Andhra Pradesh	12703	0	250.0	81.1	-0.8	359	0.00
	Telangana	12002	0	244.2	98.4	-0.8	371	0.00
SR	Karnataka	14822	0	295.4	92.4	1.3	772	0.00
	Kerala	4920	0	101.0	76.1	-0.4	340	0.00
	Tamil Nadu	19544	0	424.5	259.8	-2.8	688	0.00
	Puducherry	490	0	10.9	10.7	0.2	55	0.30
	Bihar	7307	0	139.1	131.8	-3.3	269	0.00
ER	DVC	3290	0	72.6	-38.0	0.2	544	0.00
	Jharkhand	2141	0	47.1	38.3	-0.1	103	0.49
	Odisha	6620	0	138.0	49.0	0.4	635	0.00
	West Bengal	12069	0	249.2	121.9	-1.5	414	0.00
	Sikkim	82	0	1.2	1.4	-0.2	23	0.00
	Railways ER ISTS	17	0	0.2	0.3	-0.1	3	0.00
	Arunachal Pradesh	154	0	3.1	3.1	-0.2	33	0.00
NER	Assam	1595	0	29.7	23.5	-0.5	182	0.00
	Manipur	216	0	2.8	2.9	-0.2	76	0.00
	Meghalaya	321	0	5.0	2.9	-0.4	63	0.00
	Mizoram	133	0	2.3	2.0	-0.2	19	0.00
	Nagaland	149	0	2.3	2.3	-0.1	23	0.00
	Tripura	310	0	6.3	4.7	0.0	36	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	12.3	-11.8	-22.6	-32.1
Day Peak (MW)	888.0	-902.6	-982.0	-1385.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	105.7	-268.3	189.8	-28.5	1.3	0.0
Actual(MU)	85.8	-253.3	183.1	-21.9	-0.4	-6.7
O/D/U/D(MU)	-19.9	15.0	-6.6	6.6	-1.8	-6.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2032	6841	4142	2533	361	15909	47
State Sector	4499	7953	4046	1502	119	18118	53
Total	6531	14794	8188	4035	480	34027	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	891	1656	774	715	15	4051	72
Lignite	24	14	37	0	0	75	1
Hydro	196	66	86	42	16	407	7
Nuclear	34	55	71	0	0	160	3
Gas, Naptha & Diesel	55	91	16	0	24	186	3
RES (Wind, Solar, Biomass & Others)	245	258	229	6	1	739	13
Total	1445	2140	1214	763	56	5618	100
Share of RES in total generation (%)	16.97	12.05	18.89	0.78	1.51	13.16	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.87	17.73	31.82	6.33	30.67	23.25	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.078
Based on State Max Demands	1.105

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	226955	15:45	0
Non-Solar hr	226429	22:29	1428

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: 24-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	2.4	-2.4
3	765 kV	GAYA-VARANASI	2	1012	490	5.4	0.0	5.4
4	765 kV	SASARAM-FATEHPUR	1	360	305	0.0	0.3	-0.3
5	765 kV	GAYA-BALIA	1	350	452	0.0	4.2	-4.2
6	400 kV	PUSAULI-VARANASI	1	0	154	0.0	2.4	-2.4
7	400 kV	PUSAULI-ALLAHABAD	1	63	39	0.2	0.0	0.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	757	225	3.7	0.0	3.7
9	400 kV	PATNA-BALIA	2	404	496	0.0	3.0	-3.0
10	400 kV	NAUBATPUR-BALIA	2	301	131	0.0	0.0	0.0
11	400 kV	BIHARSHARIFF-BALIA	2	603	6	6.5	0.0	6.5
12	400 kV	MOTIHARI-GORAKHPUR	2	254	268	0.0	1.3	-1.3
13	400 kV	BIHARSARIFF-SAHUPURI	2	199	94	1.6	0.0	1.6
14	220 kV	SAHUPURI-KARAMNESA	1	8	54	0.6	0.0	0.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.3	0.0	0.3
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>18.4</b>	<b>13.7</b>	<b>4.7</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1335	458	8.7	0.0	8.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1489	75	19.2	0.0	19.2
3	765 kV	JHARSUGUDA-DURG	2	0	1022	0.0	17.1	-17.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	770	0.0	12.1	-12.1
5	400 kV	RANCHI-SIPAT	2	253	200	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	9	120	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	43	143	0.0	1.0	-1.0
<b>ER-WR</b>						<b>29.8</b>	<b>31.4</b>	<b>-1.7</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	202	0	4.8	0.0	4.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1759	0.0	40.1	-40.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3019	0.0	53.4	-53.4
4	400 kV	TALCHER-U/C	2	386	469	2.0	0.0	2.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>4.8</b>	<b>93.5</b>	<b>-88.7</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	523	0	7.6	0.0	7.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	756	0	9.4	0.0	9.4
3	220 kV	ALIPURDUAR-SALAKATI	2	149	0	2.3	0.0	2.3
<b>ER-NER</b>						<b>19.3</b>	<b>0.0</b>	<b>19.3</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALL-AGRA	2	1092	0	18.8	0.0	18.8
<b>NER-NR</b>						<b>18.8</b>	<b>0.0</b>	<b>18.8</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2006	0.0	47.7	-47.7
2	HVDC	VINDHYACHAL B/B	-	98	0	2.4	0.0	2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1458	0.0	36.4	-36.4
4	765 kV	GWALIOR-AGRA	2	840	1657	3.4	18.0	-14.7
5	765 kV	GWALIOR-PHAGI	2	1452	1220	9.1	12.5	-3.5
6	765 kV	JABALPUR-ORAI	2	658	805	0.0	12.1	-12.1
7	765 kV	GWALIOR-ORAI	1	695	0	10.2	0.0	10.2
8	765 kV	SATNA-ORAI	2	974	0	0.0	15.4	-15.4
9	765 kV	BANASKANTHA-CHITORGARH	2	1592	808	11.9	4.4	7.5
10	765 kV	VINDHYACHAL-VARANASI	2	0	2776	0.0	43.5	-43.5
11	400 kV	ZERDA-KANKROLI	1	408	117	3.4	0.6	2.8
12	400 kV	ZERDA -BHINMAL	1	282	81	2.3	0.4	1.9
13	400 kV	VINDHYACHAL -RIHAND	1	979	0	20.2	0.0	20.2
14	400 kV	RAPP-SHUJALPUR	2	743	130	6.1	0.6	5.4
15	400 kV	NEEMUCH-Chittorgarh	2	949	139	8.3	0.5	7.8
16	220 kV	BHANPURA-RANPUR	1	0	141	0.0	2.8	-2.8
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
18	220 kV	MEHGAON-AURAIYA	1	108	0	1.8	0.0	1.8
19	220 kV	MALANPUR-AURAIYA	1	87	0	1.4	0.0	1.4
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>80.4</b>	<b>197.0</b>	<b>-116.6</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1013	0.0	10.7	-10.7
2	HVDC	RAIGARH-PUGAUR	2	0	5011	0.0	75.6	-75.6
3	765 kV	SOLAPUR-RAICHUR	2	600	1568	2.1	7.7	-5.6
4	765 kV	WARDHA-NIZAMABAD	2	0	2142	0.0	27.6	-27.6
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2591	0.0	38.1	-38.1
6	400 kV	KOLHAPUR-KUDGI	2	1111	61	17.1	0.0	17.1
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	NELDEM-AMBEWADI	1	0	132	2.6	0.0	2.6
<b>WR-SR</b>						<b>21.8</b>	<b>159.7</b>	<b>-137.9</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)	697	243	500	11.99	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	295	-116	107	2.56	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-191	-30	-100	-2.41	
	NER	132kV GELEPHU-SALAKATI	-26	4	-5	-0.13	
	NER	132kV MOTANGA-RANGIA	31	-4	11	0.26	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-72	0	-42	-1.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-72	0	-44	-1.05	
	ER	NEPAL IMPORT (FROM BIHAR)	-298	0	-102	-2.46	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-605	8	-306	-7.34	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-938	-806	-905	-21.71	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1385	-1197	-1339	-32.13	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-44	0	-38	-0.90	

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 24-Apr-2025

## Export From India (in MU)

Export From India (in \$M)									
Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.40	1.85	0.00	0.00	0.00	0.00	0.00	2.25
Nepal	2.43	0.00	3.75	0.00	0.00	3.29	0.00	0.00	9.47
Bangladesh	22.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.52
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	24.95	0.40	5.60	0.00	0.00	3.29	0.00	0.00	34.24

## Import by India(in MU)

Import by India(In MTC)									
Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	13.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.39
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	13.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.39

## Net from India(in MU)

-ve : Export / +ve : Import

Net from India(In M\$)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	13.39	-0.40	-1.85	0.00	0.00	0.00	0.00	0.00	11.14
Nepal	-2.43	0.00	-3.75	0.00	0.00	-3.29	0.00	0.00	-9.47
Bangladesh	-22.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.52
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-11.56	-0.40	-5.60	0.00	0.00	-3.29	0.00	0.00	-20.85

Date of Reporting:

24-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	49.98	218787	6320	8299	46	21009	9737	173425	1965	210442	220801	-770
0:15	49.83	217488	6309	8172	52	20613	9409	172914	1904	209264	219373	-735
0:30	49.93	216469	6307	7992	58	20494	9055	172517	1902	208419	218325	-723
0:45	49.98	214815	6299	7778	55	20213	8843	171732	1929	206982	216849	-764
1:00	50.03	213789	6331	7653	41	19592	8951	171424	1922	206095	215914	-726
1:15	50.03	212572	6348	7617	46	19028	8743	170964	1915	204909	214661	-731
1:30	49.98	210691	6347	7617	43	18540	8462	169773	1989	203031	212771	-694
1:45	50.04	209983	6363	7680	51	17846	8457	169723	1927	202252	212047	-692
2:00	50.04	208676	6329	7617	56	17573	8249	169035	1945	201003	210804	-703
2:15	50.04	207711	6407	7622	55	16892	7831	169118	1985	200034	209910	-728
2:30	50.04	207131	6381	7657	49	16771	7861	168625	1907	199425	209251	-731
2:45	50.04	205981	6379	7644	44	16359	7957	168174	2014	198293	208571	-914
3:00	50.04	204901	6380	7689	46	15747	7917	167517	1951	197166	207247	-942
3:15	50.04	204550	6379	7648	45	15318	7436	168079	1955	196857	206860	-941
3:30	50.04	203410	6388	7581	41	14848	7245	167400	1954	195788	205457	-876
3:45	50.04	203057	6364	7447	39	14706	7275	167531	1940	195571	205302	-953
4:00	50.09	202246	6370	7505	39	14595	7186	166776	1965	194702	204436	-972
4:15	50.04	203097	6343	7602	37	15191	6745	167456	1951	195458	205325	-1063
4:30	50.04	203334	6330	7521	31	15633	6579	167513	1964	195782	205571	-964
4:45	50.04	203779	6326	7516	25	16085	6809	167256	1973	196238	205990	-963
5:00	50.04	203355	6387	7450	26	16472	6402	166934	1953	195879	205624	-943
5:15	49.99	205247	6360	7238	31	16184	6381	169080	1951	197978	207225	-732
5:30	49.99	205910	6408	7096	27	16435	6339	169819	1945	198787	208069	-749
5:45	50.04	206361	6410	7010	42	16618	6345	170085	2008	199309	208518	-729
6:00	50.04	205480	6433	6779	55	16860	6358	169194	1939	198646	207618	-693
6:15	49.99	206260	6382	6478	707	16735	6402	169895	1991	199075	208590	-978
6:30	50.04	207362	6420	6337	1925	16813	6154	169851	1967	199100	209467	-1018
6:45	50.04	206576	6412	6063	3928	16544	6134	167393	1960	196585	208434	-992
7:00	50.04	205779	6386	5789	7143	16253	5969	164200	2024	192847	207764	-1072
7:15	50.04	204974	6385	5540	11254	15364	5750	160509	2057	188180	206859	-1021
7:30	50.04	205654	6367	5224	16582	14975	5646	156381	2060	183848	207235	-1012
7:45	50.04	204904	6369	4851	22062	13524	5350	152392	2096	177991	206644	-897
8:00	50.09	204099	6337	4120	27848	12896	5267	147007	2057	172131	205532	-878
8:15	49.99	205646	6310	3428	32841	12336	5175	144610	2144	169377	206844	-843
8:30	49.99	208044	6289	2797	37395	12285	5218	142937	2150	167852	209071	-838
8:45	49.99	210858	6323	2336	41795	12355	5231	141523	2146	166727	211709	-857
9:00	50.04	213323	6264	2100	45776	12343	5207	140620	2127	165447	214437	-803
9:15	49.94	217025	5762	2018	49258	11799	5226	141702	2121	165749	217886	-899
9:30	49.99	219181	5787	2042	52432	11827	5224	140703	2131	164707	220146	-912
9:45	50.04	221548	5784	1859	55522	11887	5217	140556	2196	164167	223021	-913
10:00	50.04	222156	5741	1859	57738	11722	5200	139213	2126	162559	223599	-966
10:15	49.99	220995	5753	1876	59946	10458	5218	137168	2115	159173	222534	-1020
10:30	50.04	221850	5742	1849	61692	10483	5202	136340	2093	158309	223401	-998
10:45	50.04	222016	5651	1761	62092	10124	5204	136656	2155	158163	223643	-1003
11:00	50.04	221236	5722	1694	62859	9888	5194	135493	2131	156683	222981	-982
11:15	50.04	220271	5707	1649	63461	9164	5169	134361	2117	155161	221628	-1012
11:30	50.04	219927	5703	1582	64124	9325	5181	133551	2161	154221	221627	-1051
11:45	49.99	219252	5669	1573	64383	9308	5208	132434	2132	153296	220707	-1069
12:00	50.09	217945	5624	1534	64647	9759	5172	130691	2085	151764	219512	-1017
12:15	49.99	216538	5684	1575	64377	9244	5199	130148	2103	150586	218330	-961
12:30	49.99	216259	5731	1616	64342	9642	5221	129376	2123	150301	218051	-981
12:45	49.94	215502	5519	1669	63872	9623	4682	128952	2083	149961	216400	-999
13:00	50.04	213145	5407	1778	63451	9372	5276	127157	2072	147916	214513	-1055
13:15	49.99	211127	5447	1790	62990	9098	5301	126011	2062	146347	212699	-1149
13:30	49.99	211966	5482	1878	62963	9139	5290	126618	2066	147125	213436	-1028
13:45	49.99	213399	5463	2084	61975	9069	5309	128733	2061	149340	214694	-956
14:00	50.04	214904	5446	2208	61527	9507	5286	130454	2053	151169	216481	-996
14:15	49.99	216478	5518	2536	60150	9546	5280	133585	2025	153792	218640	-1008
14:30	50.09	220072	5507	2698	58800	10660	5236	137525	2005	158574	222431	-1030
14:45	50.04	221386	5544	2953	57861	10792	5262	139379	2022	160572	223813	-1009
15:00	50.09	223852	5526	3291	55851	11523	5304	142154	2019	164710	225668	-998
15:15	50.04	224778	5564	3768	53599	11908	5341	144275	2090	167411	226545	-952
15:30	50.04	226490	5470	4059	51967	12090	5376	147645	1991	170464	228598	-990
15:45	49.99	226955	5517	4869	48221	11824	5385	150903	1975	173865	228694	-892
16:00	50.04	226135	5501	5462	44456	12125	5537	152988	1953	176217	228022	-912
16:15	50.04	225363	5529	5841	40849	12279	5595	155310	1923	178673	227326	-950
16:30	50.04	226810	5480	6017	37291	12874	5869	159411	1944	183502	228886	-964
16:45	49.99	226087	5535	6118	32914	13405	6059	161032	1940	187055	227003	-894
17:00	50.04	223713	5526	6339	28429	14028	6283	163231	1928	188945	225764	-1162
17:15	50.04	220906	5590	6575	24027	14752	6526	163633	1903	190304	223006	-725
17:30	50.04	218804	5587	6973	19437	15373	6752	164990	1868	192394	220980	-595
17:45	49.99	217467	5612	7131	14798	16386	6949	164467	1924	195538	217267	-580
18:00	50.09	214787	5628	7222	10360	17291	7301	165174	1941	197205	214917	-589
18:15	50.09	213409	5637	7589	6847	18274	7729	165709	1912	188973	213697	-599
18:30	50.09	215157	5751	7842	3889	20529	8064	167782	1997	203426	215854	-467
18:45	50.04	218150	5760	8162	1949	22006	8618	170024	2019	208039	218538	-495
19:00	50.04	221370	5760	8097	784	23874	9358	173966	1942	212489	223781	-504
19:15	49.94	223510	5771	7949	338	24953	9584	175096	1950	215223	225641	-491
19:30	49.94	224578	5736	8064	280	25168	9577	175730	1987	216234	226542	-469
19:45	50.04	224127	5777	8371	249	24845	9586	175635	1958	215507	226421	-499
20:00	50.04	223165	5771	8351	234	24744	9462	174918	1968	214580	225448	-516
20:15	50.04	221836	5784	8326	242	24032	9331	174675	1993	213268	224383	-1009
20:30	49.99	222495	5777	8623	132	23702	9074	175964	1981	213740	225253	-1036
20:45	49.99	222646	5787	8813	132	23186	8968	176613	1965	213701	225464	-1068
21:00	50.04	221838	5808	9282	149	22583	8776	175864	2004	212407	224466	-1032
21:15	50.04	221551	5801	9741	144	22243	9153	175047	1998	211666	224127	-953
21:30	50.09	222384	5754	9978	142	22758	9507	174728	1969	212264	224836	-979
21:45	50.04	223739	5731	10248	141	23240	9736	175006	1970	213350	226072	-957
22:00	50.04	223145	5750	10256	105	22920	9800	174862	1977	212784	225670	-991
22:15	49.99	224772	5742	10334	101	23618	9839	175582	1984	214337	227200	-964
22:30	49.99	226370	5775	10610								