



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: 30.04.2025

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 29.04.2025.**

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 29-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 29.04.2025, 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: 30-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)	67931	67937	52602	24968	2774	216212
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1486	1695	1301	523	50	5055
Hydro Gen (MU)	237	47	76	24	13	396
Wind Gen (MU)	12	177	36	-	-	225
Solar Gen (MU)*	206.80	146.83	133.94	3.81	0.53	492
Energy Shortage (MU)	1.39	0.00	0.00	0.00	0.00	1.39
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69985	75208	62571	25697	2853	222992
Time Of Maximum Demand Met	22:45	15:23	15:20	19:07	18:29	15:23

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	0.00	0.68	0.68	78.15	21.17

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	10526	0	209.4	98.2	-2.0	319	0.00
	Haryana	9683	0	207.3	161.0	-0.8	336	1.36
	Rajasthan	15701	0	327.2	120.4	-0.7	634	0.00
	Delhi	5756	0	119.5	104.2	-3.1	201	0.00
	UP	24805	0	471.2	152.4	0.7	490	0.03
	Uttarakhand	2384	0	49.1	29.3	0.1	167	0.00
	HP	1778	0	36.9	10.4	-0.5	382	0.00
	J&K(UT) & Ladakh(UT)	2665	0	55.5	35.6	-1.6	140	0.00
	Chandigarh	292	0	6.0	6.1	-0.1	15	0.00
	Railways_NR ISTS	212	0	4.2	3.9	0.2	44	0.00
WR	Chhattisgarh	5510	0	120.3	67.5	0.0	494	0.00
	Gujarat	26106	0	519.1	166.1	-9.4	726	0.00
	MP	13737	0	291.9	173.6	-4.3	526	0.00
	Maharashtra	29791	0	680.8	256.8	-1.2	785	0.00
	Goa	815	0	17.7	17.4	0.0	37	0.00
	DNHDDPDCL	1357	0	31.6	31.7	-0.1	51	0.00
	AMNSIL	847	0	18.6	8.9	0.2	251	0.00
	BALCO	529	0	12.6	12.7	-0.1	51	0.00
	RIL JAMNAGAR	160	0	1.9	1.9	0.0	0	0.00
	Andhra Pradesh	12646	0	244.7	80.7	-0.3	440	0.00
SR	Telangana	11558	0	227.7	100.0	-1.2	524	0.00
	Karnataka	14776	0	295.6	115.4	-1.0	1424	0.00
	Kerala	4725	0	94.3	73.1	0.1	237	0.00
	Tamil Nadu	19660	0	427.5	289.0	0.3	680	0.00
	Puducherry	537	0	11.0	11.3	-0.4	25	0.00
ER	Bihar	5850	0	115.0	104.4	0.0	305	0.00
	DVC	3271	0	68.8	-29.0	-0.3	318	0.00
	Jharkhand	2114	0	41.7	33.6	-1.3	109	0.00
	Odisha	5824	0	113.6	33.5	-2.0	515	0.00
	West Bengal	9168	0	182.2	57.6	-5.2	495	0.00
	Sikkim	104	0	2.0	1.4	0.5	47	0.00
	Railways_ER ISTS	13	0	0.2	0.2	0.0	0	0.00
NER	Arunachal Pradesh	174	0	3.2	3.0	0.0	36	0.00
	Assam	1634	0	30.2	23.8	0.3	169	0.00
	Manipur	209	0	2.5	3.0	-0.4	30	0.00
	Meghalaya	327	0	5.3	2.9	-0.1	78	0.00
	Mizoram	131	0	1.7	1.9	-0.5	20	0.00
	Nagaland	135	0	2.3	2.3	0.0	11	0.00
	Tripura	285	0	4.7	3.9	-0.2	39	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	1.2	-11.6	-22.3	-25.5
Day Peak (MW)	255.0	-775.4	-988.0	-1581.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.3	-314.4	237.1	-118.2	5.3	0.0
Actual(MU)	175.0	-308.0	238.9	-118.7	4.3	-8.5
OD/UD(MU)	-15.3	6.4	1.8	-0.5	-0.9	-8.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2213	7520	3012	2760	351	15856	45
State Sector	5894	5983	5056	2044	169	19146	55
Total	8107	13503	8068	4804	520	35002	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	843	1611	723	703	14	3895	71
Lignite	25	15	44	0	0	84	2
Hydro	237	47	76	24	13	396	7
Nuclear	33	65	71	0	0	170	3
Gas, Naptha & Diesel	44	72	13	0	23	152	3
RES (Wind, Solar, Biomass & Others)	229	325	198	5	1	758	14
Total	1412	2134	1125	732	50	5454	100

Share of RES in total generation (%)	16.22	15.22	17.60	0.72	1.09	13.89
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.37	20.46	30.64	3.99	26.17	24.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.059
Based on State Max Demands	1.102

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	222992	15:23	2
Non-Solar hr	219663	22:44	377

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: 30-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	2.6	-2.6
3	765 kV	GAYA-VARANASI	2	1043	883	0.0	3.1	-3.1
4	765 kV	SASARAM-FATEHPUR	1	358	457	0.0	3.0	-3.0
5	765 kV	GAYA-BALIA	1	172	607	0.0	7.6	-7.6
6	400 kV	PUSAULI-VARANASI	1	0	155	0.0	2.0	-2.0
7	400 kV	PUSAULI-ALLAHABAD	1	63	74	0.0	0.5	-0.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	657	549	0.0	1.0	-1.0
9	400 kV	PATNA-BALIA	2	401	821	0.0	7.7	-7.7
10	400 kV	NAUBATPUR-BALIA	2	293	264	0.0	2.0	-2.0
11	400 kV	BIHARSHARIEF-BALIA	2	558	223	2.8	0.0	2.8
12	400 kV	MOTIHARI-GORAKHPUR	2	258	432	0.0	3.6	-3.6
13	400 kV	BIHARSARIEF-SAHUPURI	2	184	161	0.0	1.2	-1.2
14	220 kV	SAHUPURI-KARMANASA	1	1	52	0.0	0.0	0.0
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	30	0	0.0	0.0	0.0
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>2.8</b>	<b>34.2</b>	<b>-31.3</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	800	1006	0.0	5.4	-5.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	639	753	0.0	2.7	-2.7
3	765 kV	JHARSUGUDA-DURG	2	0	1118	0.0	20.3	-20.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	653	0.0	8.7	-8.7
5	400 kV	RANCHI-SIPAT	2	166	260	0.0	3.6	-3.6
6	220 kV	BUDHIPADAR-RAIGARH	1	20	137	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	103	106	0.2	0.2	0.2
<b>ER-WR</b>						<b>0.2</b>	<b>42.3</b>	<b>-42.1</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	499	115	5.2	0.0	5.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2301	0.0	48.1	-48.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3192	0.0	53.2	-53.2
4	400 kV	TALCHER-I/C	2	0	963	0.0	7.3	-7.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>5.2</b>	<b>101.3</b>	<b>-96.1</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	359	105	3.0	0.6	2.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	541	169	0.0	4.1	-4.1
3	220 kV	ALIPURDUAR-SALAKATI	2	113	11	1.1	0.0	1.1
<b>ER-NER</b>						<b>8.2</b>	<b>0.6</b>	<b>7.6</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	474	0	11.8	0.0	11.8
<b>NER-NR</b>						<b>11.8</b>	<b>0.0</b>	<b>11.8</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3524	0.0	72.2	-72.2
2	HVDC	VINDHYACHAL B/B	-	98	0	2.4	0.0	-2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1917	0.0	42.3	-42.3
4	765 kV	GWALIOR-AGRA	2	512	1859	2.1	17.0	-15.0
5	765 kV	GWALIOR-PHAGI	2	1412	1556	8.5	15.7	-7.2
6	765 kV	JABALPUR-ORAI	2	539	928	0.0	13.7	-13.7
7	765 kV	GWALIOR-ORAI	1	695	0	10.0	0.0	10.0
8	765 kV	SATNA-ORAI	1	0	1075	0.0	16.7	-16.7
9	765 kV	BANASKANTHA-CHITORGARH	2	744	919	1.9	6.0	-4.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2321	0.0	34.9	-34.9
11	400 kV	ZERDA-KANKROLI	1	244	235	1.6	0.7	1.0
12	400 kV	ZERDA-BHINMAL	1	168	155	1.1	0.5	0.7
13	400 kV	VINDHYACHAL-RIHAND	1	970	0	20.1	0.0	20.1
14	400 kV	RAPP-SHUJALPUR	2	724	272	5.5	1.8	3.7
15	400 kV	NEEMUCH-Chittorgarh	2	785	237	6.1	0.8	5.3
16	220 kV	BHANPURA-RANPUR	1	0	84	0.0	1.5	-1.5
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
18	220 kV	MEHGAON-AURAIYA	1	96	0	1.7	0.0	1.7
19	220 kV	MALANPUR-AURAIYA	1	75	0	1.2	0.0	1.2
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
<b>WR-NR</b>						<b>62.3</b>	<b>225.7</b>	<b>-163.4</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	6020	0.0	118.4	-118.4
3	765 kV	SOLAPUR-RAICHUR	2	537	1506	2.9	5.7	-2.8
4	765 kV	WARDHA-NIZAMABAD	2	0	2369	0.0	28.4	-28.4
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2797	0.0	36.7	-36.7
6	400 kV	KOLHAPUR-KUDGI	2	1353	0	21.2	0.0	21.2
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	132	2.5	0.0	2.5
<b>WR-SR</b>						<b>26.6</b>	<b>213.2</b>	<b>-186.6</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)	343	146	206	4.95	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	154	-81	-3	-0.07	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-188	-135	-157	-3.77	
	NER	132kV GELEPHU-SALAKATI	-21	3	-7	-0.16	
	NER	132kV MOTANGA-RANGIA	16	2	10	0.23	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-73	0	-38	-0.92	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-47	-1.14	
	ER	NEPAL IMPORT (FROM BIHAR)	-227	0	-132	-3.16	
BANGLADESH		400kV DHALKEBAR-MUZAFFARPUR 1&2	-548	-10	-268	-6.43	
	ER	BHERAMARA B/B HVDC (B'DESH)	-948	-752	-898	-21.55	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1581	-807	-1064	-25.53	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-40	0	-30	-0.72	

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 30-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	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.40
Nepal	2.91	0.00	4.52	0.00	0.00	2.60	0.00	0.00	10.03
Bangladesh	22.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.35
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	25.26	0.40	4.52	0.00	0.00	2.60	0.00	0.00	32.78

## 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	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99
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	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99

## 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	0.99	-0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.59
Nepal	-2.91	0.00	-4.52	0.00	0.00	-2.60	0.00	0.00	-10.03
Bangladesh	-22.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.35
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-24.27	-0.40	-4.52	0.00	0.00	-2.60	0.00	0.00	-31.79

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)
		(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	214788	6297	9657	277	20196	7068	172575	1761	204854	217831	-1084
0:15	50.04	213200	6284	9566	249	18867	7051	172670	1758	203385	216445	-1055
0:30	49.99	211308	6308	9645	248	17748	6858	172202	1725	201415	214734	-1215
0:45	49.99	209854	6322	9742	249	17355	6640	170991	1781	199863	213080	-1248
1:00	50.04	207612	6308	9745	262	16324	6622	170153	1727	197605	211141	-1247
1:15	49.99	206848	6293	9848	249	15552	6459	169869	1752	196751	210022	-1255
1:30	49.99	205496	6299	10020	241	15200	6644	168664	1707	195235	208775	-1254
1:45	49.99	204173	6313	10351	238	14925	6298	167634	1690	193584	207449	-1250
2:00	50.04	202715	6283	10505	239	14772	6314	166235	1675	191971	206023	-1232
2:15	49.99	201729	6290	10606	238	14542	6029	165676	1749	190885	205130	-1247
2:30	49.99	200934	6284	10614	235	14368	5938	164909	1747	190085	204095	-1270
2:45	49.99	199465	6302	10367	229	13715	5891	164374	1870	188869	202748	-1281
3:00	49.99	198202	6302	10020	228	13378	5877	163918	1828	187954	201551	-1283
3:15	49.99	197597	6307	9685	235	13018	5601	164146	1886	187677	200878	-1303
3:30	49.99	196468	6294	9438	234	12878	5690	163380	1889	186796	199803	-1298
3:45	49.99	195552	6311	9378	235	12718	5556	162985	1905	185939	199088	-1295
4:00	49.99	194433	6331	9388	239	12651	5463	162124	1899	184806	198095	-1267
4:15	49.94	195474	6330	9334	244	12587	5353	163091	1831	185896	198770	-1095
4:30	49.99	196036	6312	9228	245	12748	5283	163570	1818	186563	199204	-1020
4:45	49.99	196723	6324	9104	242	12866	5270	164418	1846	187377	200070	-1030
5:00	50.04	196512	6336	8823	247	13008	5307	164317	1902	187442	199940	-1025
5:15	49.94	198338	6290	8873	243	13462	5319	165561	1831	189222	201579	-1011
5:30	49.99	199223	6332	8631	240	14062	5276	166432	1841	190352	202814	-1004
5:45	49.99	200513	6318	8392	243	14160	5281	167768	1826	191878	203988	-1013
6:00	50.04	200834	6344	8283	288	14779	5345	167445	1828	192263	204312	-1029
6:15	50.04	202138	6356	8160	698	15214	5847	167619	1821	193280	205715	-1374
6:30	50.04	202220	6329	7941	1965	15402	5361	166531	1844	192314	205373	-1411
6:45	50.04	201027	6362	7721	3935	15526	5374	163637	1826	189371	204381	-1413
7:00	49.99	200684	6400	7401	7291	15143	5257	160689	1894	185992	204075	-1446
7:15	49.99	200173	6372	7014	11279	13766	5176	157572	1901	181880	203080	-1429
7:30	50.04	199838	6396	6565	15835	13144	5069	153904	1935	177438	202848	-1443
7:45	50.04	198640	6374	5989	20643	13147	5002	148381	1955	172008	201491	-1471
8:00	50.24	198150	6373	5616	25626	13225	4929	143005	1998	166908	200772	-1478
8:15	50.04	199304	6362	5327	30075	13511	4978	139402	1986	163902	201641	-1492
8:30	50.09	200462	6348	4966	34717	13934	4962	135943	1975	160779	202845	-1501
8:45	50.09	201735	6338	4735	38745	14570	4962	132670	1940	158255	203960	-1456
9:00	50.14	203431	6360	4677	42687	14274	4942	130825	1952	156067	205717	-1510
9:15	49.99	205753	6261	4769	46442	14236	5015	131837	1966	156362	210526	-1525
9:30	49.99	209947	6300	4927	49399	14270	5210	131085	1968	155621	213159	-1548
9:45	49.99	212054	6321	5134	51828	14077	5197	130218	1995	155092	214770	-1578
10:00	49.99	212789	6333	5444	54596	14080	5211	128317	2006	152749	215987	-1594
10:15	49.99	213498	6307	5721	56379	13032	5236	127783	2024	151398	216482	-1558
10:30	49.99	214363	6286	5948	58150	12505	5215	126558	2080	150265	216742	-1548
10:45	49.99	214750	6310	6291	58978	12570	5220	126545	2013	149481	217927	-1571
11:00	49.99	214165	6284	6531	59991	12118	5205	124995	2020	147643	217144	-1626
11:15	49.99	213266	6349	6880	61522	10810	5274	123454	2006	144864	216295	-1664
11:30	49.99	214375	6312	7181	62614	10330	5287	123478	2048	144580	217250	-1634
11:45	49.99	214201	6297	7403	62824	10281	5260	123061	2011	143974	217137	-1609
12:00	49.99	213243	6248	7664	62855	10291	5286	121889	1974	142724	216207	-1672
12:15	49.99	213052	6260	7706	62029	10050	5358	122468	1963	143317	215834	-1631
12:30	49.94	213007	6308	7947	61583	10504	5419	122158	1952	143477	215871	-1626
12:45	49.99	213387	6338	8134	61882	10557	5490	122014	1891	143371	216306	-1643
13:00	50.04	211344	6323	8177	61478	10341	5478	120751	1886	141689	214434	-1635
13:15	50.09	209979	6311	8684	60269	10219	5511	119523	1905	141026	212422	-1597
13:30	49.99	212113	6312	8773	60357	10231	5510	121016	1958	142983	214157	-1590
13:45	49.94	214589	6261	8991	59011	10867	5561	124094	1933	146587	216718	-1568
14:00	49.99	216632	6311	8970	58557	11569	5587	125782	1988	149105	218764	-1601
14:15	49.94	217908	6309	9080	56853	11646	5562	129319	1937	151975	220706	-1725
14:30	50.04	219493	6309	9286	55381	11891	5507	132091	1898	154826	222363	-1720
14:45	49.99	219033	6287	9195	52810	12174	5517	134264	1910	157028	222157	-1716
15:00	50.04	221238	6293	9819	51604	12669	5567	136643	1908	159815	224503	-1722
15:15	49.99	222216	6305	9904	48843	12587	5603	140219	1912	163469	225373	-1678
15:30	49.99	222779	6312	10195	46567	13164	5737	142483	1900	166017	226358	-1640
15:45	49.99	221879	6283	10169	43353	12877	5844	145020	1864	168357	225410	-1620
16:00	50.04	221702	6264	10449	38943	14184	5958	147495	1830	172310	225123	-1648
16:15	50.04	220601	6324	10499	35666	14462	6056	149146	1882	174436	224035	-1628
16:30	50.04	220430	6327	10420	32458	15252	6359	151117	1844	177552	223777	-1618
16:45	50.04	219159	6333	10439	29296	15368	6449	153288	1806	179424	222979	-1509
17:00	50.04	217172	6329	10580	24880	15467	6584	155016	1814	181712	220670	-1471
17:15	50.04	212800	6300	10822	20656	15354	6544	155482	1749	181322	216907	-1158
17:30	50.04	210986	6277	10905	16719	16003	6615	156690	1791	183362	215000	-1155
17:45	50.04	209406	6279	10889	12883	16481	6627	157790	1753	185634	212702	-1119
18:00	50.04	206866	6266	10776	10776	17594	6677	158131	1736	187071	210199	-1059
18:15	50.05	204707	6295	10592	6111	18853	6821	157473	1858	188004	208003	-1025
18:30	50.10	207940	6275	10301	3621	21378	6903	160628	1735	194018	210841	-945
18:45	50.05	211314	6285	9663	1797	23235	7102	164195	1805	199854	214082	-1044
19:00	50.05	214367	6284	9491	854	24031	7465	166976	1828	204022	216929	-1007
19:15	50.00	216796	6290	9379	155	24206	7280	170445	1800	207262	219555	-838
19:30	50.00	218361	6300	9350	100	24676	7016	171691	1781	208911	220914	-805
19:45	50.05	218000	6334	9223	107	24441	6850	171568	1750	208670	220273	-790
20:00	50.05	216122	6289	9327	109	24304	6909	169917	1783	206686	218638	-798
20:15	50.05	214718	6327	9225	42	23468	6917	169466	1840	205451	217285	-825
20:30	50.05	214691	6310	9194	41	23643	6949	168958	1852	205456	216947	-834
20:45	50.00	214253	6292	9242	41	22767	6820	169613	1803	204970	216578	-835
21:00	50.00	213701	6343	8987	40	21964	6935	170034	1837	204674	216140	-824
21:15	50.00	213493	6377	8915	54	21504	6962	170786	1843	204524	216441	-820
21:30	50.00	213443	6343	8931	27	21974	6952	171021	1820	204485	217068	-801
21:45	50.00	215458	6349	9147	34	22915	6939	170880	1801	206277	218065	-799
22:00	50.10	215545	6322	9473	39	22894	6851	170330	1832	206033	217741	-786
22:15	50.00	218003	6289	9664	53	23459	7446	171319	1862	208286	220092	-764
22:30												