



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: 06.12.2024

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, शहीद 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, लापलंग, 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 05.12.2024.

महोदय/Dear Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 5-दिसंबर-2024 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 05.12.2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 06-Dec-2024

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	52901	63523	44478	20655	2573	184130
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1173	1529	1028	426	48	4204
Hydro Gen (MU)	114	42	87	24	14	281
Wind Gen (MU)	2	101	31	-	-	134
Solar Gen (MU)*	149.10	84.03	91.12	2.84	0.89	328
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62253	74851	48673	21510	2769	205860
Time Of Maximum Demand Met	10:23	10:22	07:41	17:48	17:17	09:44

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	0.032	0.00	0.52	3.97	4.49	84.21	11.29

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	9151	0	155.4	65.3	-0.7	275	0.00
	Haryana	8255	0	154.1	111.8	-1.0	750	0.00
	Rajasthan	17442	0	327.3	132.3	0.7	704	0.00
	Delhi	3890	0	72.1	71.4	-0.6	288	0.00
	UP	17739	0	316.7	103.3	-0.6	519	0.00
	Uttarakhand	2234	0	42.4	29.5	1.2	141	0.00
	HP	2070	0	36.7	29.7	-0.9	140	0.00
	J&K(UT) & Ladakh(UT)	2892	0	60.3	55.2	-0.4	171	0.00
	Chandigarh	200	0	3.6	3.6	0.0	35	0.00
Railways NR ISTS	197	0	4.0	3.8	0.1	30	0.00	
WR	Chhattisgarh	4667	0	94.5	37.2	-0.3	321	0.00
	Gujarat	21962	0	423.6	207.1	-1.7	538	0.00
	MP	17946	0	333.1	204.1	-3.7	447	0.00
	Maharashtra	27907	0	598.4	228.2	-5.9	822	0.00
	Goa	719	0	15.3	14.3	0.4	49	0.00
	DNHDDPDCL	1362	0	31.3	31.4	-0.1	54	0.00
	AMNSIL	932	0	20.1	9.3	0.0	267	0.00
	BALCO	530	0	12.7	12.7	0.0	12	0.00
	RIL JAMNAGAR	0	0	0.0	0.0	0.0	0	0.00
SR	Andhra Pradesh	8823	0	185.3	44.8	-0.6	392	0.00
	Telangana	11368	0	218.8	112.5	0.6	898	0.00
	Karnataka	11543	0	214.9	50.1	-1.4	460	0.00
	Kerala	4251	0	82.9	64.9	1.3	233	0.00
	Tamil Nadu	15846	0	317.7	170.8	-1.4	603	0.00
	Puducherry	397	0	8.5	8.2	-0.3	35	0.00
ER	Bihar	4519	0	82.8	74.3	-1.0	202	0.00
	DVC	3104	0	66.6	-44.4	-0.9	288	0.00
	Jharkhand	1950	0	37.2	27.2	-1.1	166	0.00
	Odisha	5039	0	99.7	28.7	0.7	576	0.00
	West Bengal	6954	0	137.6	16.2	-1.9	316	0.00
	Sikkim	113	0	1.7	1.7	0.0	25	0.00
	Railways ER ISTS	24	0	0.2	0.1	0.0	0	0.00
NER	Arunachal Pradesh	163	0	2.9	2.8	-0.1	63	0.00
	Assam	1540	0	26.4	19.5	0.0	898	0.00
	Manipur	230	0	3.3	3.3	-0.1	211	0.00
	Meghalaya	383	0	6.8	5.4	0.0	254	0.00
	Mizoram	140	0	2.1	1.8	-0.1	63	0.00
	Nagaland	184	0	2.7	2.5	0.0	131	0.00
	Tripura	225	0	4.0	4.7	0.3	205	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-3.6	0.3	-11.9	-15.1
Day Peak (MW)	-424.0	56.0	-550.0	-764.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	257.1	-187.5	126.4	-201.0	5.0	0.0
Actual(MU)	244.9	-179.6	118.1	-193.5	3.3	-6.7
O/D/U/D(MU)	-12.2	8.0	-8.3	7.5	-1.7	-6.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5509	9221	7318	3978	705	26731	46
State Sector	10088	13079	5694	2786	332	31979	54
Total	15597	22300	13012	6764	1036	58710	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	646	1515	615	666	10	3451	76
Lignite	23	15	34	0	0	72	2
Hydro	114	42	87	24	14	281	6
Nuclear	31	66	76	0	0	173	4
Gas, Naptha & Diesel	2	11	5	0	24	43	1
RES (Wind, Solar, Biomass & Others)	178	188	158	6	1	531	12
Total	994	1837	975	696	49	4551	100

Share of RES in total generation (%)	17.87	10.25	16.17	0.87	1.86	11.66
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.56	16.11	32.87	4.30	31.26	21.65

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.053

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	205860	9:44	0
Non-Solar hr	193681	18:17	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: **06-Dec-2024**

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	249	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	0	1235	0.0	19.5	-19.5
4	765 kV	SASARAM-FATEHPUR	1	0	605	0.0	9.3	-9.3
5	765 kV	GAYA-BALIA	1	0	710	0.0	13.7	-13.7
6	400 kV	PUSAULI-VARANASI	1	0	158	0.0	2.8	-2.8
7	400 kV	PUSAULI-ALLAHABAD	1	0	164	0.0	3.0	-3.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	583	0.0	9.0	-9.0
9	400 kV	PATNA-BALIA	2	0	1142	0.0	21.0	-21.0
10	400 kV	NAUBATPUR-BALIA	2	0	784	0.0	6.8	-6.8
11	400 kV	BIHARSHARIFF-BALIA	2	19	272	0.0	4.3	-4.3
12	400 kV	MOTIHARI-GORAKHPUR	2	0	642	0.0	11.2	-11.2
13	400 kV	BIHARSHARIFF-VARANASI	2	0	409	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	0	101	0.0	0.3	-0.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
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						0.5	106.8	-106.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	802	0.0	9.4	-9.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	99	1148	0.0	13.1	-13.1
3	765 kV	JHARSUGUDA-DURG	2	0	637	0.0	11.6	-11.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	618	0.0	9.5	-9.5
5	400 kV	RANCHI-SIPAT	2	0	445	0.0	5.3	-5.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	116	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	35	129	0.0	0.6	-0.6
ER-WR						0.0	50.9	-50.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	170	0.0	4.0	-4.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1396	0.0	24.2	-24.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2656	0.0	54.3	-54.3
4	400 kV	TALCHER-I/C	2	1628	0	16.3	0.0	16.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	82.4	-82.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	104	0	1.3	0.5	0.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	360	123	2.8	0.0	2.8
3	220 kV	ALIPURDUAR-SALAKATI	2	81	15	0.8	0.0	0.8
ER-NER						5.0	0.5	4.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	462	0	8.8	0.0	8.8
NER-NR						8.8	0.0	8.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3064	0.0	64.0	-64.0
2	HVDC	VINDHYACHAL B/B	-	0	306	0.0	7.2	-7.2
3	HVDC	MUNDRAMOHINDERGARH	2	0	947	0.0	17.2	-17.2
4	765 kV	GWALIOR-AGRA	2	4	1408	0.0	18.0	-18.0
5	765 kV	GWALIOR-PHAGI	2	306	1878	0.3	25.2	-24.9
6	765 kV	JABALPUR-ORAI	2	0	776	0.0	22.3	-22.3
7	765 kV	GWALIOR-ORAI	1	1034	0	15.6	0.0	15.6
8	765 kV	SATNA-ORAI	1	0	1135	0.0	20.6	-20.6
9	765 kV	BANASKANTHA-CHITTOGARH	2	1746	783	13.6	4.8	8.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	1879	0.0	30.3	-30.3
11	400 kV	ZERDA-KANKROLI	1	322	126	2.6	0.6	2.0
12	400 kV	ZERDA-BHINMAL	1	223	87	1.8	0.4	1.4
13	400 kV	VINDHYACHAL-RIHAND	1	970	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	601	232	3.6	1.1	2.5
15	400 kV	NEEMUCH-Chittorgarh	2	677	184	3.9	0.0	3.9
16	220 kV	BHANPURA-RANPUR	1	0	203	0.0	3.5	-3.5
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
18	220 kV	MEHGAON-AURAIYA	1	102	0	1.4	0.0	1.4
19	220 kV	MALANPUR-AURAIYA	1	73	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						65.5	216.9	-151.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	408	0.0	9.6	-9.6
2	HVDC	RAIGARH-PUGALUR	2	0	1104	0.0	26.7	-26.7
3	765 kV	SOLAPUR-RAICHUR	2	1136	1093	5.9	7.4	-1.6
4	765 kV	WARDHA-NIZAMABAD	2	0	2116	0.0	32.6	-32.6
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2142	0.0	35.7	-35.7
6	400 kV	KOLHAPUR-KUDGI	2	1631	0	25.3	0.0	25.3
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	128	2.3	0.0	2.3
WR-SR						33.5	112.1	-78.6

INTERNATIONAL EXCHANGES

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)	123	-43	25	0.59
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	221	0	80	1.93
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-312	-202	-235	-5.65
	NER	132kV GELEPHU-SALAKATI	-21	-1	-12	-0.29
	NER	132kV MOTANGA-RANGIA	-39	11	-10	-0.24
NEPAL	NR	NEPAL IMPORT (FROM UP)	-62	0	0	0.00
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-62	0	-26	-0.62
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	56	9	38	0.92
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-486	-428	-447	-10.73
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-764	-412	-628	-15.08
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-64	0	-49	-1.18

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 06-Dec-2024

Export From India (in MU)

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.00	4.89	0.00	0.00	0.00	0.00	0.00	4.89
Nepal	0.38	0.00	0.91	0.00	0.00	0.56	0.00	0.00	1.85
Bangladesh	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	11.58	0.00	5.80	0.00	0.00	0.56	0.00	0.00	17.94

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74
Nepal	0.00	0.00	0.27	0.00	0.00	0.07	0.00	0.00	0.34
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	0.74	0.00	0.27	0.00	0.00	0.07	0.00	0.00	1.08

Net from India(in MU)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.74	0.00	-4.89	0.00	0.00	0.00	0.00	0.00	-4.15
Nepal	-0.38	0.00	-0.64	0.00	0.00	-0.49	0.00	0.00	-1.51
Bangladesh	-11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-11.20
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-10.84	0.00	-5.53	0.00	0.00	-0.49	0.00	0.00	-16.86

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	49.98	147776	6746	10400	66	7462	1673	121740	2819	137310	150906	-525
0:15	49.93	146867	6750	10178	68	7294	1670	121246	2859	136621	150065	-514
0:30	49.83	146421	6759	10087	66	7608	1676	120685	2839	136268	149720	-502
0:45	49.93	145763	6764	9913	50	7615	1679	120121	2886	135800	149028	-531
1:00	50.03	145085	6765	9759	47	7696	1784	119436	2858	135279	148345	-540
1:15	50.03	143741	6777	9678	47	7141	1831	118465	2842	134016	146781	-500
1:30	50.03	142839	6769	9621	44	7002	1826	117732	2892	133174	145886	-504
1:45	50.03	142456	6764	9462	38	6943	1677	117535	2920	132956	145339	-518
2:00	49.98	141551	6785	9434	38	6898	1668	116760	2851	132079	144434	-515
2:15	49.98	141321	6771	9319	36	6942	1673	116679	2831	131966	144251	-493
2:30	50.03	140820	6773	9199	35	6761	1822	116577	2837	131586	144004	-477
2:45	49.98	140713	6789	9200	37	6651	1818	116626	2898	131476	144019	-474
3:00	49.98	140188	6776	9163	41	6247	1668	116684	2869	130984	143448	-510
3:15	49.93	140221	6776	9105	43	6419	1670	116463	2870	131073	143346	-514
3:30	49.98	139934	6788	9134	45	6446	1861	116209	2839	130755	143322	-488
3:45	49.93	140532	6780	9280	41	6411	1673	116812	2823	131211	143820	-480
4:00	50.03	140866	6783	9443	40	6561	1681	116998	2825	131383	144331	-553
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4:30	49.98	144052	6785	9636	40	6549	1669	120068	2865	134376	147612	-560
4:45	49.98	146461	6778	9674	44	6758	1672	122144	2879	136743	149949	-553
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5:15	49.98	152369	6794	9429	50	8156	1859	126899	2920	142890	156107	-575
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6:15	50.03	168938	6785	8987	78	12827	1669	139481	2889	159873	172716	-509
6:30	50.03	175715	6769	8880	81	15928	1679	143501	2891	166754	179729	-543
6:45	49.93	181457	6769	8845	241	18365	1679	146606	2865	172371	185370	-536
7:00	50.04	186402	6786	8750	771	20590	1686	148856	2904	176881	190343	-567
7:15	49.89	189490	6792	8701	1624	21615	1674	149733	2847	179165	192986	-369
7:30	49.99	192053	6792	8713	3129	21411	1676	150654	2844	180211	195219	-525
7:45	50.05	194273	6777	8753	5651	21222	1676	150464	2882	179869	197425	-500
8:00	50.10	194104	6784	8692	8570	19374	1672	149007	2908	176842	197007	-512
8:15	50.10	195291	6794	8606	12322	16628	1681	149315	2914	174363	198260	-431
8:30	50.05	197016	6791	8315	16576	14862	1676	148903	2919	172125	200042	-426
8:45	50.05	199149	6789	7913	21051	13675	1684	148234	2901	170185	202247	-428
9:00	50.05	200409	6792	7417	24825	13162	1674	146436	2956	168167	203262	-464
9:15	50.05	203665	6783	6861	29178	12144	1679	147072	2970	167626	206687	-571
9:30	50.00	204479	6780	6257	32422	11366	1675	146040	2941	165800	207481	-572
9:45	49.99	205798	6786	5595	35591	10347	1683	145877	2987	164612	208866	-572
10:00	49.99	205353	6782	5215	38349	8963	1673	144746	2980	161789	208708	-621
10:15	49.94	205108	6776	4963	40605	8363	1758	142792	2938	159540	208195	-588
10:30	49.99	204468	6785	4784	42616	8071	1787	140676	2955	157068	207674	-593
10:45	49.94	203829	6794	4678	43757	7494	1789	139486	2940	155394	206938	-697
11:00	49.95	203124	6789	4741	44705	7750	1669	137302	2977	153678	205933	-773
11:15	50.00	199387	6776	4631	43360	7619	1661	134872	2868	151396	201787	-804
11:30	50.05	200279	6783	4786	47646	7024	1660	132396	2897	147847	203192	-836
11:45	49.95	198826	6774	4650	48206	6998	1653	130763	2889	145970	201933	-846
12:00	50.05	197010	6763	4667	48722	7276	1650	128286	2886	143621	200250	-829
12:15	49.94	196329	6764	4673	49416	6882	1656	127103	2948	142240	199442	-824
12:30	49.94	195105	6757	4562	49194	6953	1650	126297	2880	141349	198293	-825
12:45	49.89	193774	6756	4563	48578	6988	1657	125491	2883	140633	196916	-807
13:00	50.03	190843	6761	4491	47547	7272	1644	123805	2837	138805	194357	-808
13:15	49.99	186964	6770	4414	46708	6468	1653	121517	2820	135842	190350	-827
13:30	49.99	186473	6767	4313	46148	5985	1653	122223	2852	136012	189941	-811
13:45	50.03	187153	6758	4234	45404	5929	1656	123703	2824	137515	190508	-787
14:00	50.03	187569	6755	4097	44358	5800	1656	125333	2890	139114	190889	-786
14:15	49.98	187644	6787	3960	43309	5836	1651	126804	2842	140375	191189	-874
14:30	49.98	188507	6751	3841	41184	6251	1648	129498	2834	143482	192007	-852
14:45	50.03	189466	6760	3782	39628	6768	1656	131216	2885	146056	192695	-893
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15:30	49.97	189414	6753	4077	31696	7244	1648	138309	2803	153641	192530	-738
15:45	49.98	188545	6765	4065	27772	8428	1659	140124	2794	156708	191607	-750
16:00	49.98	187250	6764	4064	24012	9025	1650	142247	2750	159174	190512	-710
16:15	49.93	185891	6754	4068	19809	10024	1659	143997	2755	162014	189066	-775
16:30	49.83	185789	6743	4001	15362	11531	1656	147327	2743	166426	189363	-734
16:45	49.98	185208	6740	3818	10972	14334	1649	148631	2680	170418	188824	-683
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17:30	50.03	189455	6733	3790	1701	22529	1728	153620	2878	183964	192979	-560
17:45	49.98	190981	6749	3860	614	25220	1658	153739	2835	186507	194675	-564
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18:30	49.93	193402	6750	4384	103	27236	1664	154444	2957	188915	197538	-509
18:45	49.93	192833	6746	4574	67	26833	1673	153969	2974	188192	196836	-503
19:00	50.03	189960	6758	4794	74	25951	1667	151529	2980	185092	193753	-499
19:15	50.03	188075	6693	5008	73	24076	1666	151423	2901	182994	191840	-515
19:30	50.03	185119	6693	5170	70	21493	1675	150858	2992	179879	188951	-488
19:45	50.03	182510	6748	5372	34	18958	1680	150143	2988	177104	185923	-484
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