



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: 18.04.2025

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 17.04.2025.

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 17-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 17.04.2025, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 18-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)	66288	70919	52225	23352	2739	215523
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1357	1729	1276	560	52	4973
Hydro Gen (MU)	222	46	78	27	10	384
Wind Gen (MU)	30	137	47	-	-	215
Solar Gen (MU)*	201.19	142.00	139.41	4.07	0.84	488
Energy Shortage (MU)	0.13	1.43	0.00	0.00	0.00	1.56
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66697	78909	60812	26230	2939	220742
Time Of Maximum Demand Met	19:43	15:59	15:17	00:01	18:50	15:31

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	0.025	0.02	0.51	3.31	3.84	83.09	13.07

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	8857	0	169.1	74.1	0.8	521	0.00
	Haryana	9787	0	178.5	129.9	-2.1	753	0.00
	Rajasthan	14301	0	308.9	94.1	-2.6	887	0.00
	Delhi	5583	0	115.0	105.0	-2.7	174	0.00
	UP	23810	0	463.5	155.6	-2.4	425	0.00
	Uttarakhand	2187	0	43.4	29.5	-2.1	168	0.13
	HP	1383	0	25.0	2.8	-1.1	90	0.00
	J&K(UT) & Ladakh(UT)	2590	0	44.8	29.4	-2.3	315	0.00
	Chandigarh	255	0	5.0	5.1	-0.1	16	0.00
WR	Railways_NR ISTS	198	0	4.1	3.9	0.2	32	0.00
	Chhattisgarh	6499	96	150.5	88.0	0.4	369	0.14
	Gujarat	25372	0	505.1	214.5	-3.7	659	0.00
	MP	14248	0	309.1	185.2	0.3	782	1.29
	Maharashtra	30152	0	683.7	236.7	0.8	1113	0.00
	Goa	779	0	17.3	16.6	0.0	53	0.00
	DNHDDPDCL	1287	0	30.0	30.0	0.0	46	0.00
	AMNSIL	773	0	17.7	8.0	0.3	275	0.00
	BALCO	532	0	12.7	12.7	0.0	11	0.00
SR	RIL JAMNAGAR	160	0	3.0	3.0	0.0	0	0.00
	Andhra Pradesh	11538	0	230.8	83.4	3.1	726	0.00
	Telangana	12101	0	244.5	110.2	-0.9	588	0.00
	Karnataka	15032	0	295.1	104.8	-1.6	858	0.00
	Kerala	5019	0	99.2	77.6	0.3	209	0.00
	Tamil Nadu	18470	0	394.9	244.6	0.1	667	0.00
	Puducherry	518	0	11.1	10.9	0.1	46	0.00
ER	Bihar	6164	0	121.4	116.2	-5.4	269	0.00
	DVC	3170	0	70.3	-39.4	-0.9	379	0.00
	Jharkhand	1933	0	41.6	33.8	-1.2	173	0.00
	Odisha	5761	0	120.8	28.0	-0.7	450	0.00
	West Bengal	10149	0	204.1	65.8	-3.2	312	0.00
	Sikkim	91	0	1.4	1.4	0.0	45	0.00
	Railways_ER ISTS	1	0	0.2	0.3	-0.2	0	0.00
NER	Arunachal Pradesh	171	0	2.6	2.9	-0.4	11	0.00
	Assam	1862	0	31.6	24.3	0.4	115	0.00
	Manipur	205	0	2.9	2.9	0.0	19	0.00
	Meghalaya	346	0	5.8	4.0	-0.3	85	0.00
	Mizoram	119	0	1.8	1.9	-0.4	10	0.00
	Nagaland	149	0	2.5	2.5	0.0	24	0.00
	Tripura	219	0	4.7	3.3	-0.1	41	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-5.2	-11.9	-22.0	-22.3
Day Peak (MW)	-564.0	-688.0	-936.0	-1230.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.9	-256.6	237.2	-106.1	7.6	0.0
Actual(MU)	93.9	-224.6	229.6	-109.6	5.1	-5.6
O/D/U/D(MU)	-24.0	32.0	-7.6	-3.5	-2.5	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3883	7926	4718	3298	361	20185	49
State Sector	6394	7676	5686	1132	139	21026	51
Total	10277	15601	10404	4430	500	41211	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	822	1623	702	735	15	3897	73
Lignite	19	16	48	0	0	83	2
Hydro	222	46	78	27	10	384	7
Nuclear	26	65	61	0	0	152	3
Gas, Naptha & Diesel	21	32	8	0	23	84	2
RES (Wind, Solar, Biomass & Others)	243	281	215	5	1	745	14
Total	1352	2064	1113	768	48	5345	100

Share of RES in total generation (%)	17.96	13.63	19.35	0.66	1.73	13.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.24	19.00	31.90	4.23	23.18	23.96

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.067
Based on State Max Demands	1.095

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	220742	15:31	0
Non-Solar hr	218367	22:46	13

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: 18-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	2.5	-2.5
3	765 kV	GAYA-VARANASI	2	1252	710	0.0	0.3	-0.3
4	765 kV	SASARAM-FATEHPUR	1	462	429	0.0	2.2	-2.2
5	765 kV	GAYA-BALIA	1	238	579	0.0	6.1	-6.1
6	400 kV	PUSAULI-VARANASI	1	0	160	0.0	1.8	-1.8
7	400 kV	PUSAULI -ALLAHABAD	1	69	83	0.0	0.5	-0.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	834	635	1.1	0.0	1.1
9	400 kV	PATNA-BALIA	2	611	752	0.0	6.7	-6.7
10	400 kV	NAUBATPUR-BALIA	2	252	449	0.0	1.6	-1.6
11	400 kV	BIHARSHARIFF-BALIA	2	705	200	4.4	0.0	4.4
12	400 kV	MOTIHARI-GORAKHPUR	2	484	444	0.0	0.3	-0.3
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	0	0.0	1.1	-1.1
14	220 kV	SAHUPURI-KARAMNASA	1	9	53	0.0	0.1	-0.1
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
ER-NR						6.3	23.1	-16.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1134	884	0.0	6.8	-6.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	996	911	0.0	0.2	-0.2
3	765 kV	JHARSUGUDA-DURG	2	0	834	0.0	16.7	-16.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	707	0.0	12.6	-12.6
5	400 kV	RANCHI-SIPAT	2	153	392	0.0	3.3	-3.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	147	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	94	113	0.0	0.7	-0.7
ER-WR						0.0	42.5	-42.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	114	0.0	2.7	-2.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1763	0.0	45.3	-45.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	3086	0.0	57.6	-57.6
4	400 kV	TALCHER-I/C	2	285	989	0.0	3.7	-3.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	105.6	-105.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	387	69	3.5	0.2	3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	628	62	5.9	0.0	5.9
3	220 kV	ALIPURDUAR-SALAKATI	2	115	0	1.4	0.0	1.4
ER-NER						10.8	0.2	10.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	712	0	16.7	0.0	16.7
NER-NR						16.7	0.0	16.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2020	0.0	70.4	-70.4
2	HVDC	VINDHYACHAL B/B	-	98	0	2.4	0.0	2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1172	0.0	21.6	-21.6
4	765 kV	GWALIOR-AGRA	2	934	1377	5.1	9.0	-3.9
5	765 kV	GWALIOR-PHAGI	2	1773	1021	9.5	10.0	-0.4
6	765 kV	JABALPUR-ORAI	2	758	841	0.0	5.7	-5.7
7	765 kV	GWALIOR-ORAI	1	838	0	13.6	0.0	13.6
8	765 kV	SATNA-ORAI	1	0	1217	0.0	17.9	-17.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1135	490	9.8	1.0	8.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	2419	0.0	42.5	-42.5
11	400 kV	ZERDA-KANKROLI	1	297	74	3.3	0.0	3.3
12	400 kV	ZERDA -BHINMAL	1	205	34	2.3	0.0	2.3
13	400 kV	VINDHYACHAL -RIHAND	1	963	0	20.8	0.0	20.8
14	400 kV	RAPP-SHUJALPUR	2	923	188	8.0	0.5	7.5
15	400 kV	NEEMUCH-Chittorgarh	2	1002	115	9.2	0.2	9.0
16	220 kV	BHANPURA-RANPUR	1	0	150	0.0	2.9	-2.9
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
18	220 kV	MEHGAON-AURAIYA	1	96	0	1.6	0.0	1.6
19	220 kV	MALANPUR-AURAIYA	1	76	0	1.1	0.0	1.1
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						86.8	184.0	-97.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1013	0.0	16.6	-16.6
2	HVDC	RAIGARH-PUGALUR	2	0	6018	0.0	90.4	-90.4
3	765 kV	SOLAPUR-RAICHUR	2	632	1086	1.4	6.3	-4.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2501	0.0	40.0	-40.0
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2655	0.0	42.7	-42.7
6	400 kV	KOLHAPUR-KUDGI	2	1386	0	23.6	0.0	23.6
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	115	2.3	0.0	2.3
WR-SR						27.3	196.1	-168.8

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)	263	-62	130	3.13	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-275	77	-122	-2.94	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-261	-140	-201	-4.84	
	NER	132kV GELEPHU-SALAKATI	-27	0	-20	-0.48	
	NER	132kV MOTANGA-RANGIA	-16	0	-2	-0.04	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-70	0	-42	-1.02	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-48	-1.15	
	ER	NEPAL IMPORT (FROM BIHAR)	-207	0	-94	-2.25	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-481	7	-310	-7.43	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-936	-874	-917	-22.00	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1230	-808	-928	-22.27	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2		0	0	0.00	

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	0.40	4.71	0.00	0.00	1.25	0.00	0.00	6.36
Nepal	2.35	0.00	4.01	0.00	0.00	3.28	0.00	0.00	9.64
Bangladesh	22.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.82
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	25.17	0.40	8.72	0.00	0.00	4.53	0.00	0.00	38.82

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83
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	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83

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	0.83	-0.40	-4.71	0.00	0.00	-1.25	0.00	0.00	-5.53
Nepal	-2.35	0.00	-4.01	0.00	0.00	-3.28	0.00	0.00	-9.64
Bangladesh	-22.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.82
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-24.34	-0.40	-8.72	0.00	0.00	-4.53	0.00	0.00	-37.99

Date of Reporting: 18-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 GENERATIO N (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	50.08	208669	5874	11505	15	19500	3693	168633	1913	197149	211133	-1421
0:15	50.03	207268	5885	11349	14	17650	3683	169631	1915	195905	210127	-1656
0:30	50.03	205601	5874	11105	9	17623	3697	168115	1882	194487	208305	-1713
0:45	50.02	204082	5887	11011	5	16404	3689	167975	1928	193066	206899	-1677
1:00	50.02	201845	5890	11245	37	15894	3630	166710	1922	190563	205328	-1742
1:15	50.02	200520	5859	10733	38	15271	3521	165952	1889	189749	203263	-1808
1:30	50.02	199763	5906	10758	60	14938	3397	165381	1917	188945	202357	-1797
1:45	50.02	198805	5870	10763	57	14774	3190	164567	1925	187985	201146	-1791
2:00	50.07	194881	5892	10713	54	13956	3116	162567	1904	184114	198202	-1804
2:15	50.02	194055	5907	10374	53	13646	3032	162237	1925	183628	197174	-1751
2:30	50.02	192629	5870	10478	62	12931	3034	161387	1930	182089	195692	-1765
2:45	50.07	191941	5852	10721	61	12728	3024	160832	1947	181159	195165	-1769
3:00	50.02	190270	5860	10831	52	12422	3013	159485	1915	179387	193578	-1816
3:15	49.97	189577	5873	10503	53	11893	2985	159574	1929	179021	192810	-1846
3:30	49.97	188963	5852	10128	51	12127	2983	159147	1968	178784	192256	-1833
3:45	49.97	188450	5854	9829	50	11995	2976	159109	1965	178571	191778	-1817
4:00	50.02	187953	5873	9749	51	11800	2956	158574	1952	178153	190955	-1442
4:15	49.97	188661	5868	9404	50	12342	2994	158840	1963	179207	191461	-1130
4:30	50.02	188879	5879	9109	60	12453	2943	159168	1958	179710	191570	-1137
4:45	49.97	189572	5866	8845	60	12365	2985	160360	1950	180667	192431	-1114
5:00	50.07	190029	5884	8572	62	12509	2958	160951	1957	181395	192893	-1206
5:15	50.02	191430	5886	8349	63	12738	3004	162213	1948	183018	194201	-1165
5:30	50.02	192938	5882	8182	67	12865	3031	163778	1974	184689	195779	-1167
5:45	49.97	194099	5909	8116	69	13565	3125	164127	1981	185914	196892	-1222
6:00	50.07	194680	5901	7882	90	14140	3189	164408	1986	186708	197596	-1171
6:15	50.02	196449	5869	7736	532	15083	3213	165317	2035	188181	199785	-1484
6:30	50.07	197443	5893	7531	1275	15785	3184	165347	1962	188637	200977	-1713
6:45	50.02	197072	5906	7340	2856	15693	3166	163819	1931	186876	200711	-1925
7:00	50.02	196689	5898	6934	5435	15395	3085	161312	2027	184320	200086	-1906
7:15	50.02	196036	5938	6531	8790	14353	3038	158822	2018	180715	199490	-1900
7:30	50.02	196478	5950	5957	13063	13989	2961	155964	2035	177458	199919	-1960
7:45	50.02	195839	5955	5491	18019	14149	2935	150929	2060	172329	199538	-2060
8:00	50.02	194347	5893	4942	23403	13111	2928	145630	2053	166002	197960	-2099
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8:30	50.02	198352	5895	4259	33177	12908	3004	140508	2069	160916	201820	-2061
8:45	50.02	200351	5903	4196	37435	12524	2944	138444	2049	158720	203495	-2088
9:00	50.07	202561	5892	4187	41337	12438	2923	136762	2054	157037	205593	-2056
9:15	49.97	206941	5844	4175	45267	11970	2983	137732	2024	157499	209995	-2066
9:30	49.97	209034	5908	4181	48524	11907	2975	136521	2122	156329	212138	-2146
9:45	49.97	211803	5824	4260	51430	12152	2898	136176	2080	156113	214820	-2187
10:00	50.02	211762	5872	4454	53774	11296	2964	134909	2097	153534	215366	-2188
10:15	50.02	212229	5848	4654	55502	10999	2958	133678	2155	152073	215794	-2196
10:30	49.97	212220	5855	4883	56677	10828	2884	132201	2110	150660	215438	-2186
10:45	49.97	212746	5852	5143	57162	10554	2957	131879	2160	150441	215707	-2118
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11:15	50.02	211326	5872	5506	58813	10337	2840	129086	2133	147007	214587	-2201
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11:45	49.97	212972	5826	5429	62701	9931	2917	127237	2055	144842	216096	-1952
12:00	50.02	212369	5869	5637	63113	10285	2914	125627	2081	143619	215526	-1974
12:15	49.92	211725	5851	5718	63129	10756	2841	124231	2060	142878	214586	-1943
12:30	50.02	211898	5864	6033	62998	11129	2851	124084	2044	142867	215003	-1964
12:45	49.97	211613	5833	6095	62893	11222	2855	123842	2023	142625	214763	-1864
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13:15	50.02	208065	5813	6516	61734	10919	2917	120849	2047	139815	210795	-1832
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16:00	50.07	220258	5821	8242	39532	13283	3085	151771	1816	172484	223550	-1901
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16:30	50.07	218809	5857	8778	32056	13499	3099	157010	1788	177975	222087	-1823
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17:45	49.97	209160	5885	9989	11866	16184	4037	161805	1839	187305	211605	-1011
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18:30	50.02	207994	5871	9725	3226	19663	4952	164921	1863	195043	210221	-943
18:45	50.07	212083	5847	9788	1678	22870	5242	166887	1902	200617	214214	-962
19:00	50.07	214961	5869	9810	860	24712	5229	168570	1902	204291	216952	-911
19:15	50.07	217003	5872	9988	601	25475	5260	169829	1950	206414	218975	-897
19:30	49.92	218007	5883	10051	574	26144	5247	170096	1925	207382	219920	-911
19:45	49.92	217071	5873	9999	587	26380	4817	169620	1929	206485	219205	-920
20:00	49.97	216345	5853	10362	585	26117	4681	168910	1939	205398	218447	-925
20:15	50.02	215417	5877	10601	627	25662	4703	168047	1959	204189	217476	-957
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21:45	50.02	214901	5914	11829	458	23252	4753	168778	1937	202614	216921	-966
22:00	50.02	214694	5887	11813	424	22843	4743	169119	1943	202457	216772	-987
22:15	49.87	216798	5881	11760	414	23485	4792	170544	1943	204624	218819	-979