

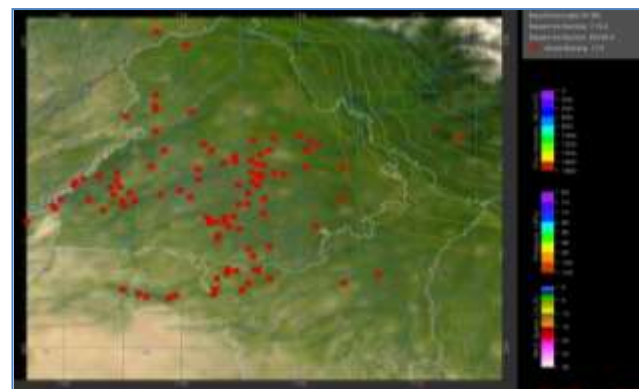


MONITORING PADDY RESIDUE BURNING IN NORTH INDIA USING SATELLITE REMOTE SENSING DURING 2020

**Bulletin
No. 17**

**Events Date:
17-Oct-2020**

**Issued on:
18-Oct-2020**



Prepared by:

**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

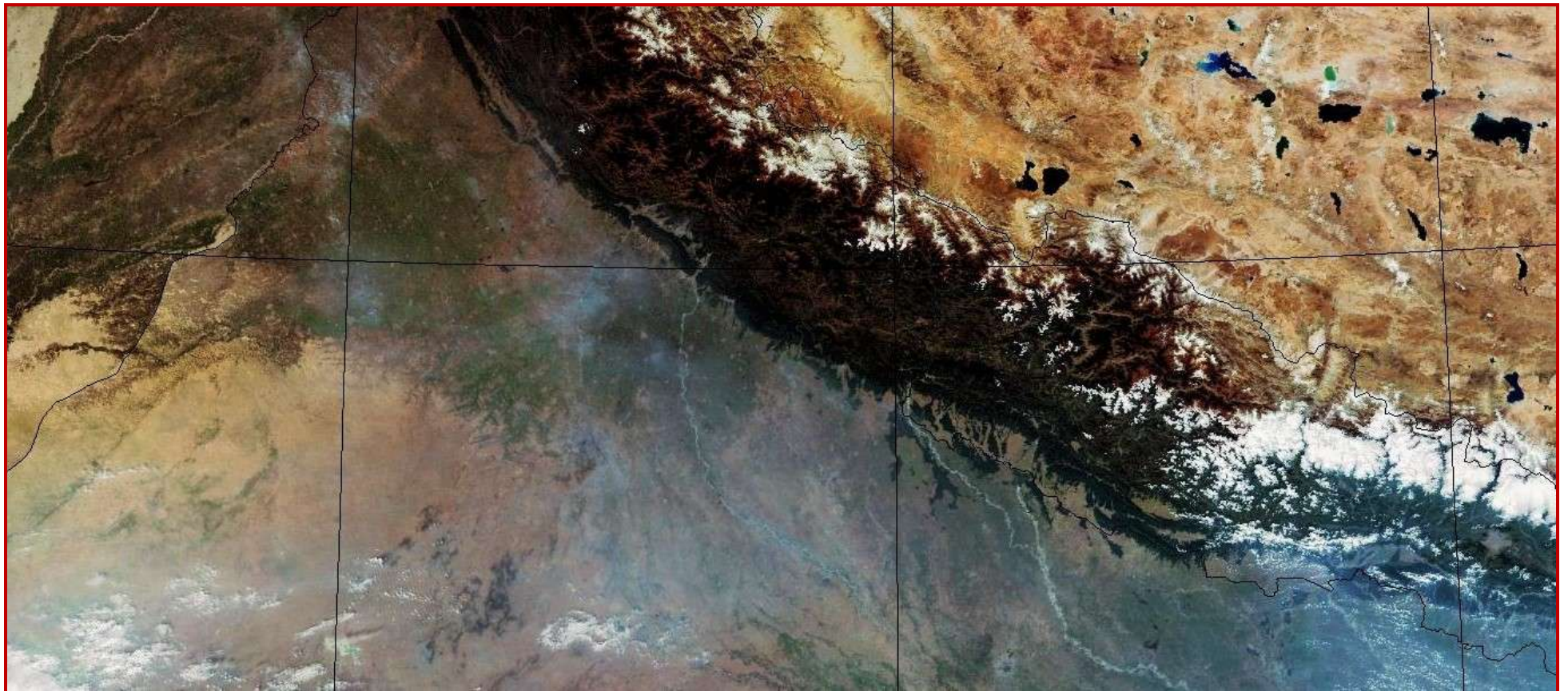
<http://creams.iari.res.in>



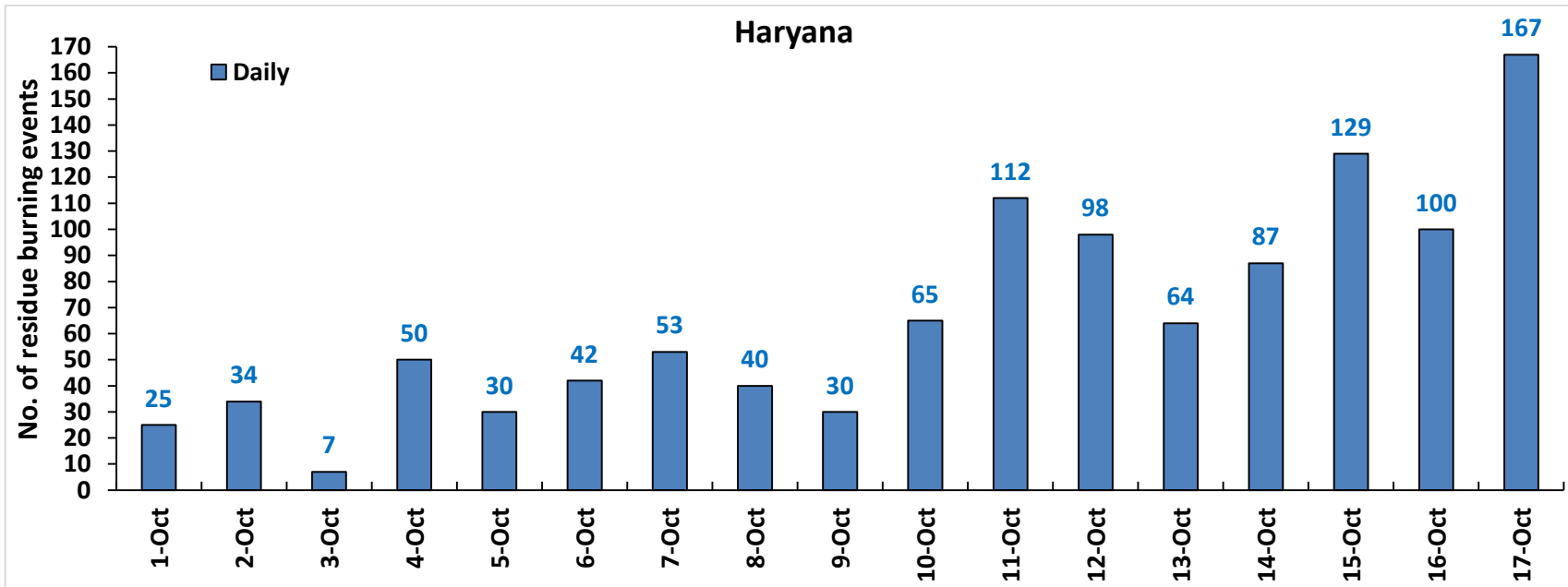
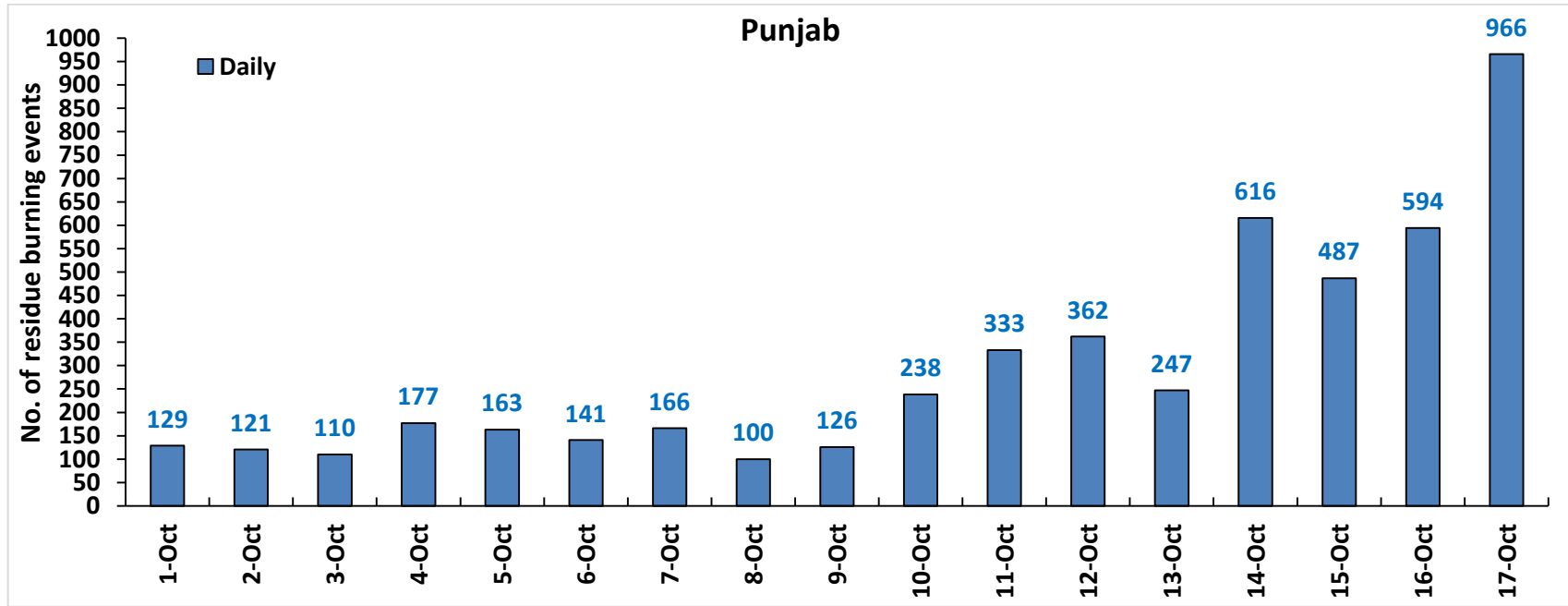
Highlights for 17-October-2020

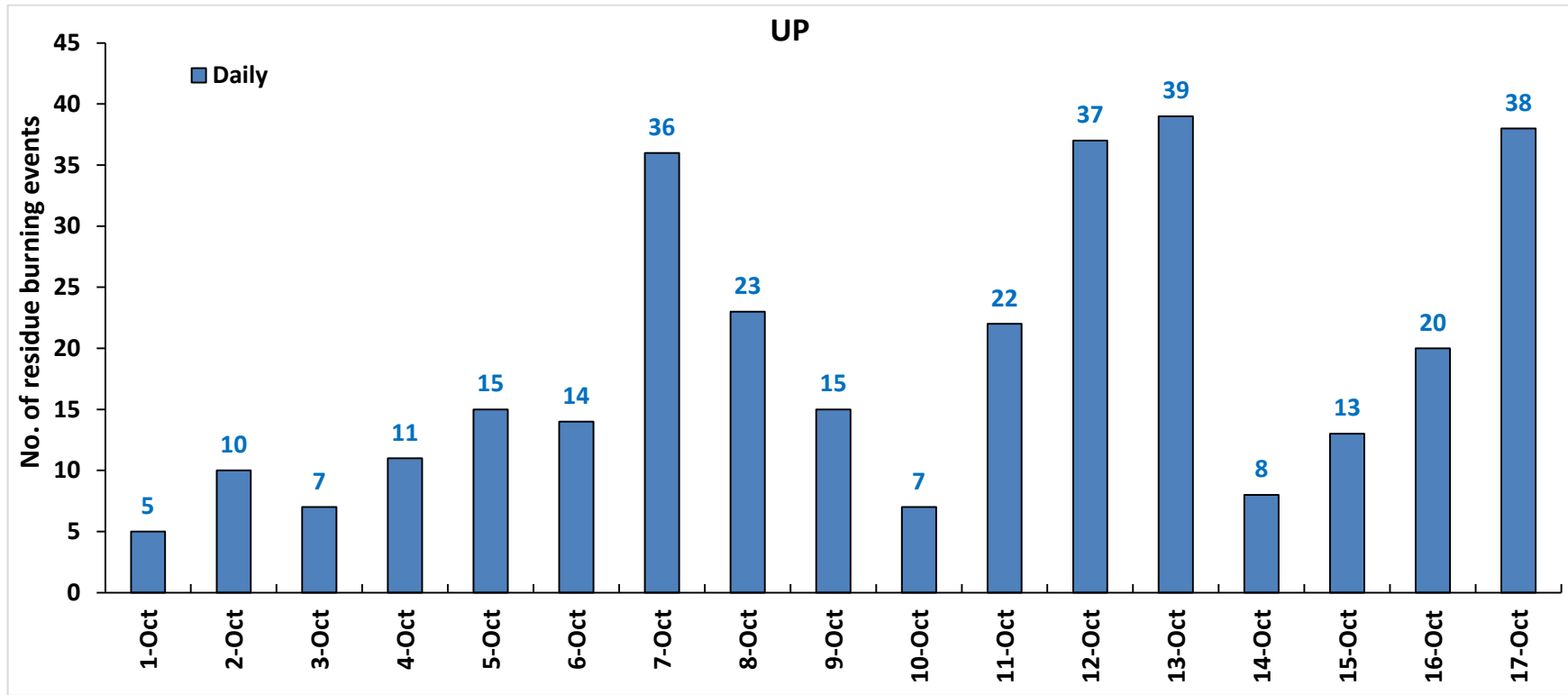
- Satellites detected **1171** residue burning events in the three study States on **17-Oct-2020**.
- The state wise events detected on **17-Oct-2020** were **966** in Punjab, **167** in Haryana and **38** in UP.
- The number of events has increased from **714** on **16-Oct-2020** to **1171** on **17-Oct-2020** in the three states.
- Tarn Taran in Punjab, Kurukshetra in Haryana and Kheri in UP reported the highest number of events on **17-Oct-2020**.
- Total **6529** burning events were detected in the three States between **01-Oct-2020** and **17-Oct-2020**, which are distributed as **5076**, **1133** and **320** in Punjab, Haryana and UP, respectively.
- In Haryana and UP, the cumulative number of burning events between **1-Oct** and **17-Oct 2020** were lower than in **2019**, while in Punjab the cumulative number of events were more than in **2019**.

[S-NPP \(VIIRS\) Satellite image of North India Acquired on 17-Oct-2020 at 14:54 by IARI Ground Station](#)



Temporal distribution of residue burning events for the three study States in 2020

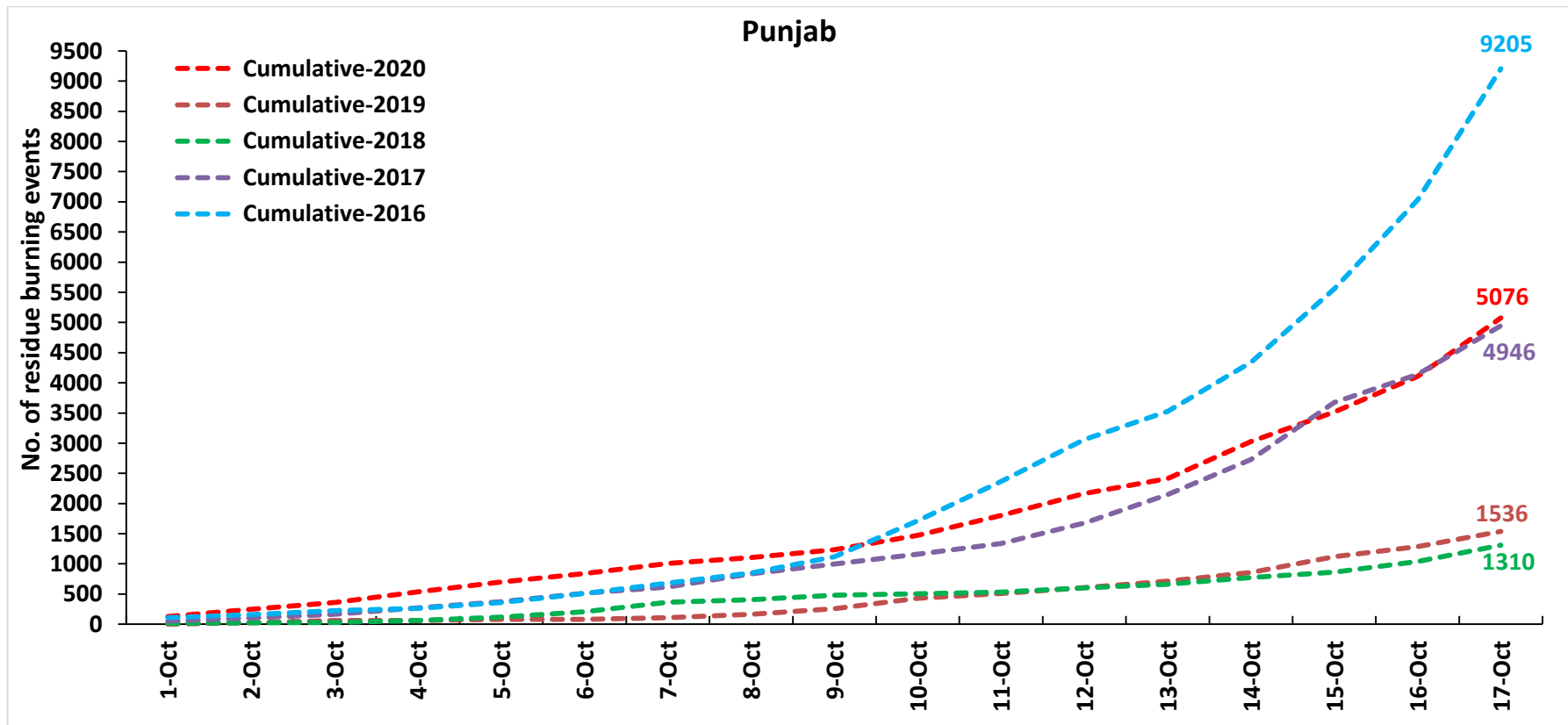


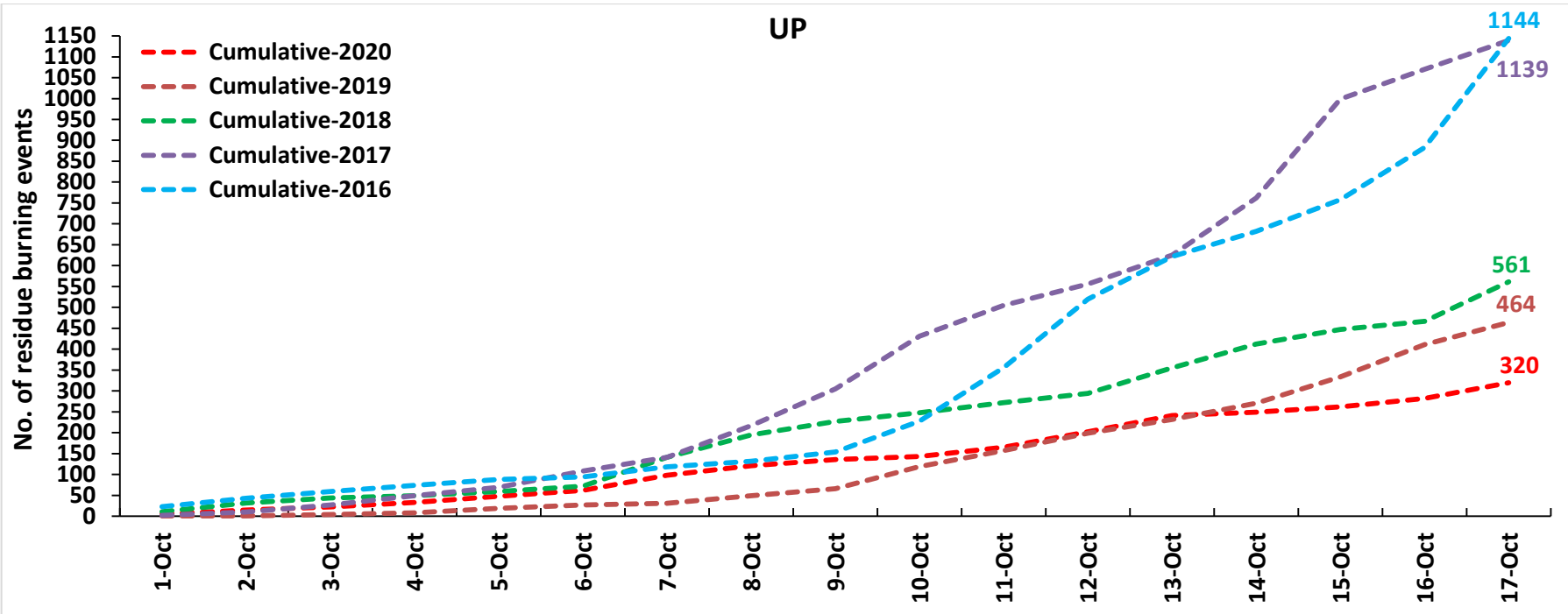
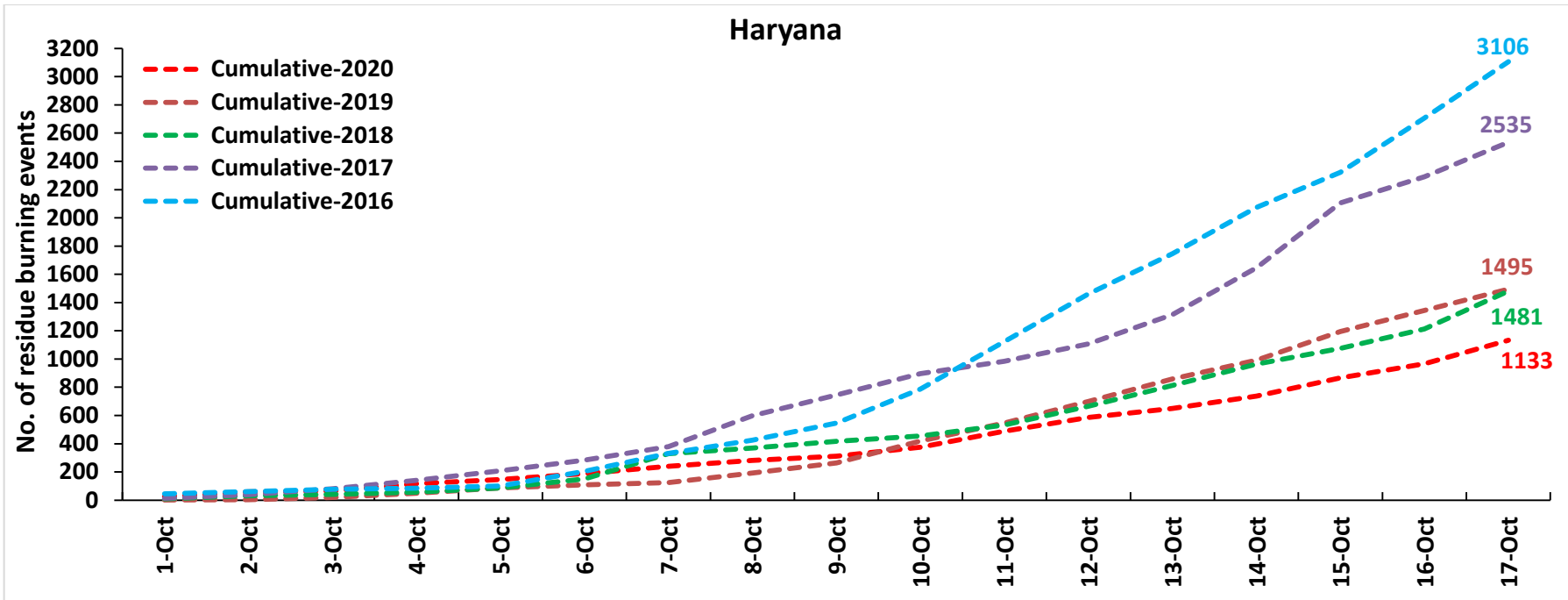


Comparison of residue burning events in current year (2020) with previous years (2019, 2018, 2017 & 2016) for the three study States

(01-Oct to 17-Oct)

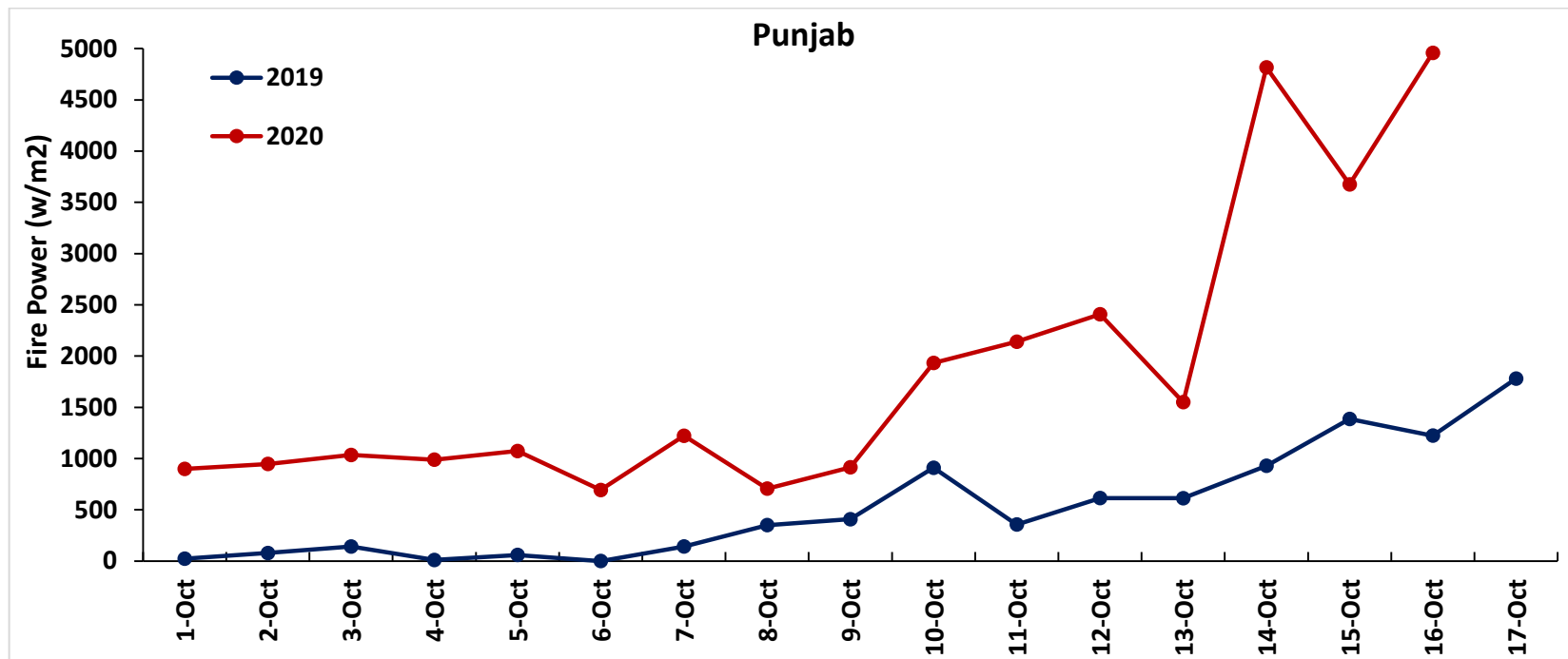
Punjab

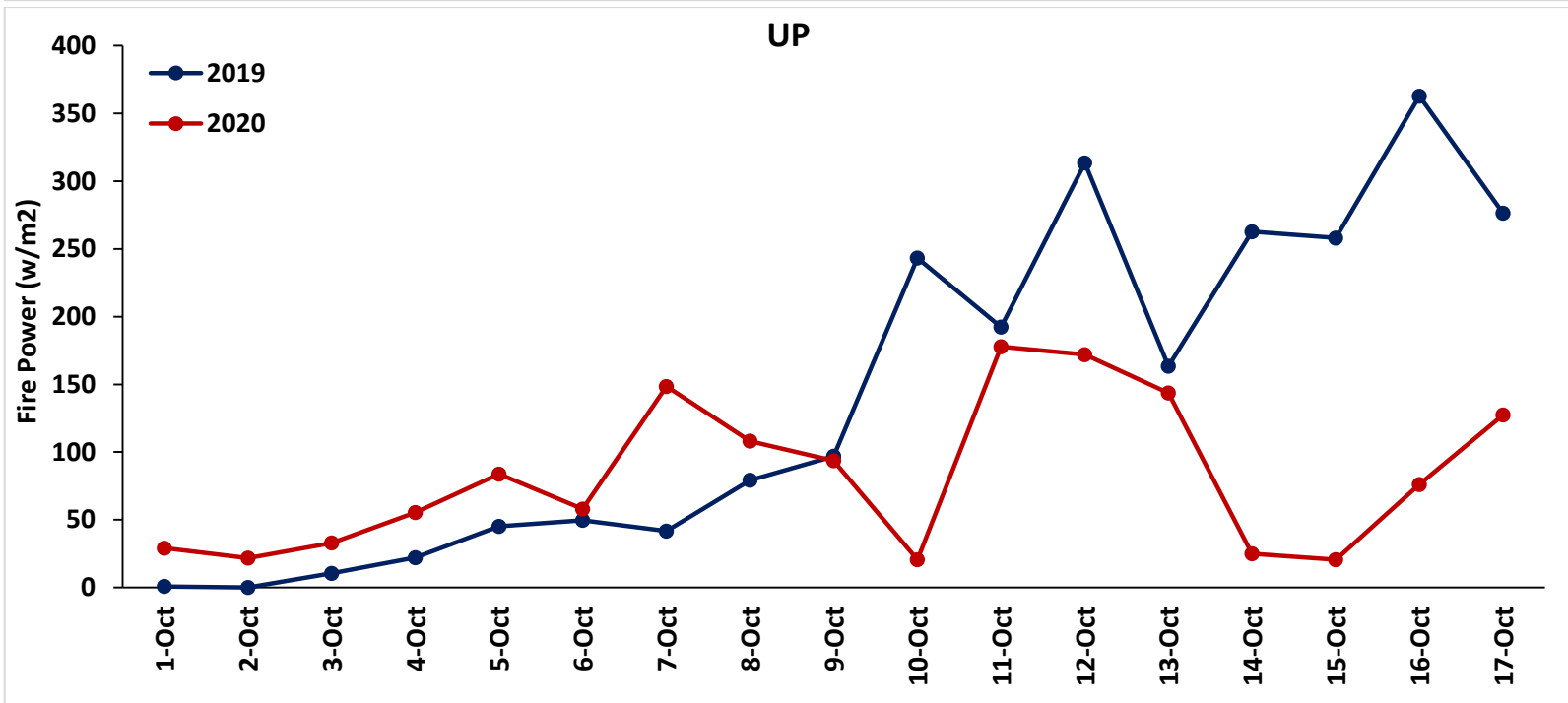
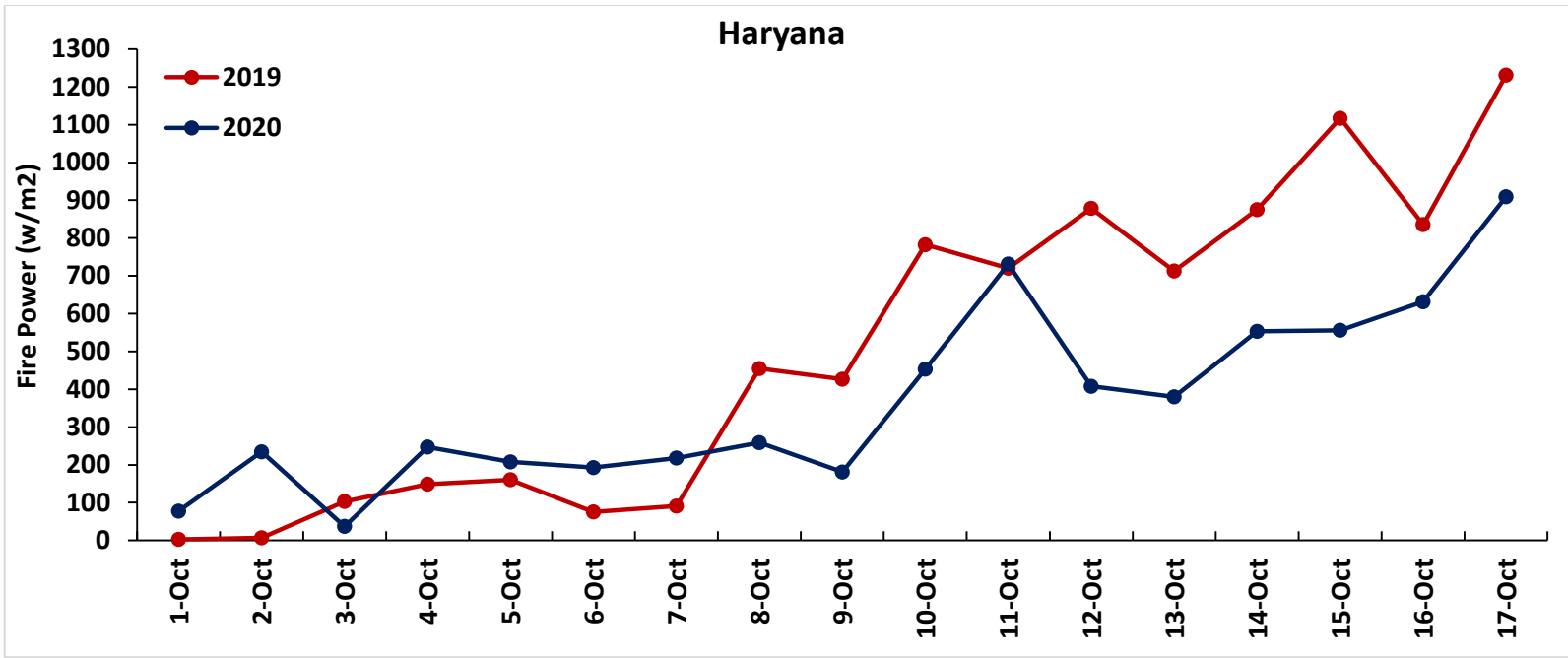




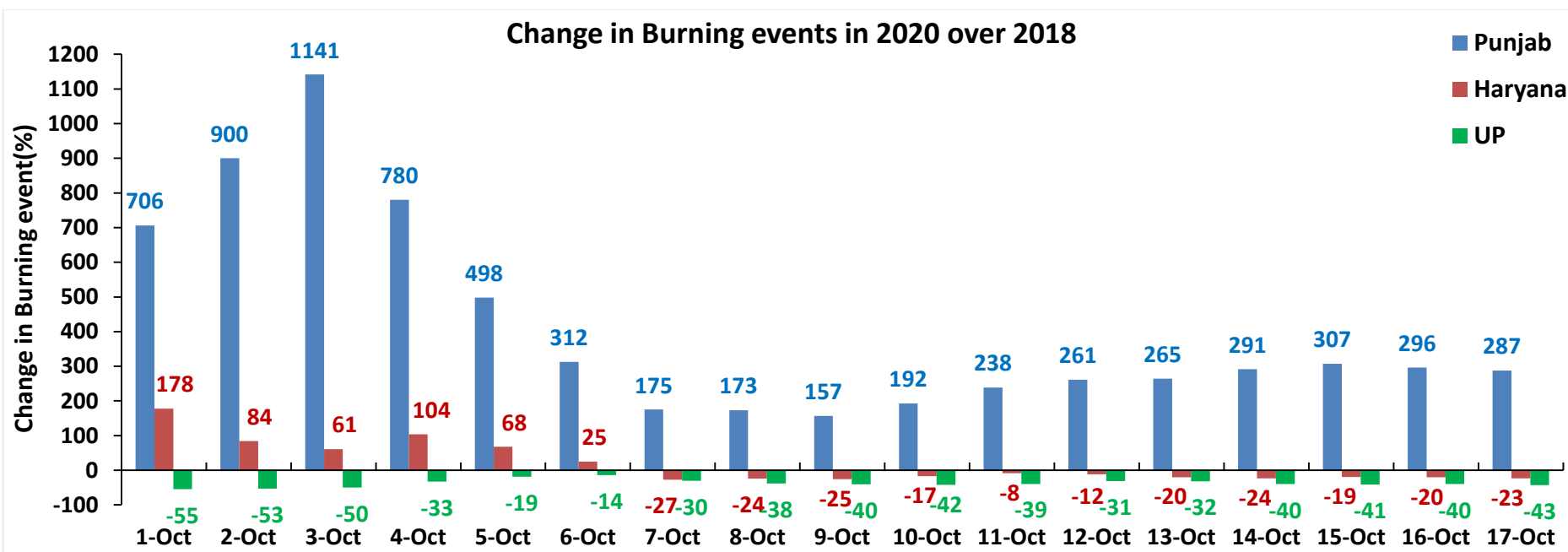
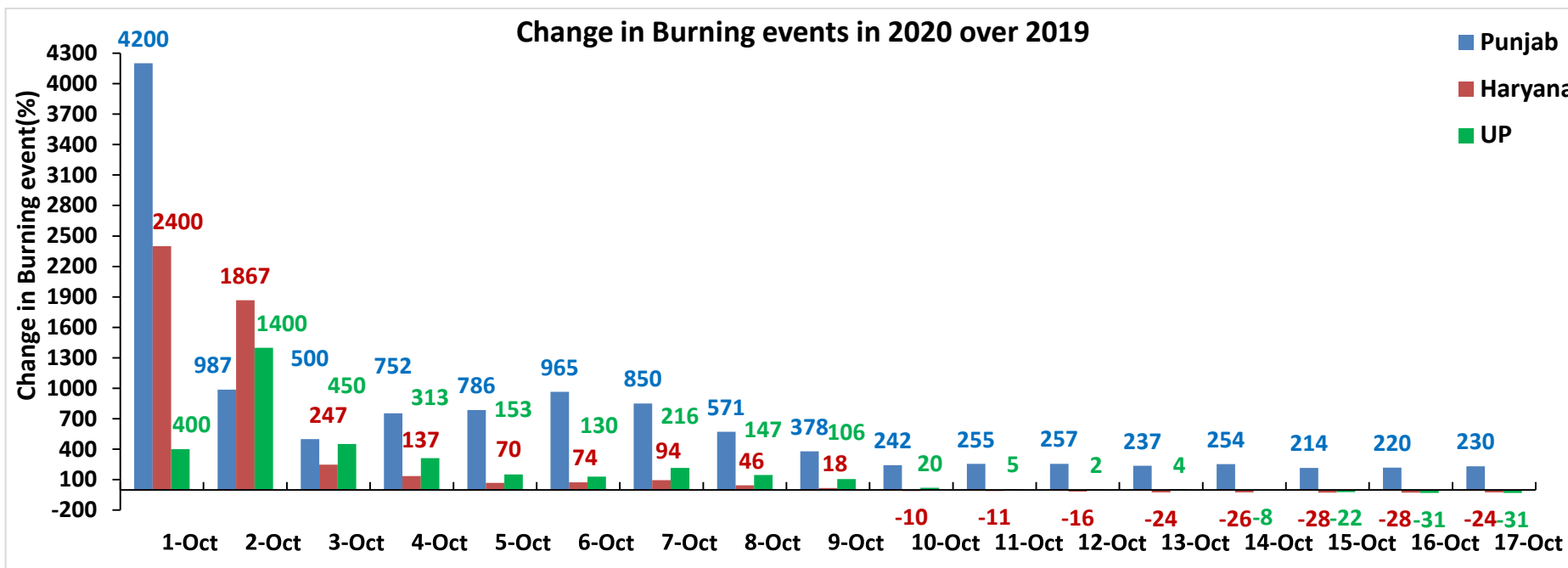
Comparison of Fire Intensity of residue burning events in current year (2020) with previous year (2019)
For the three study States

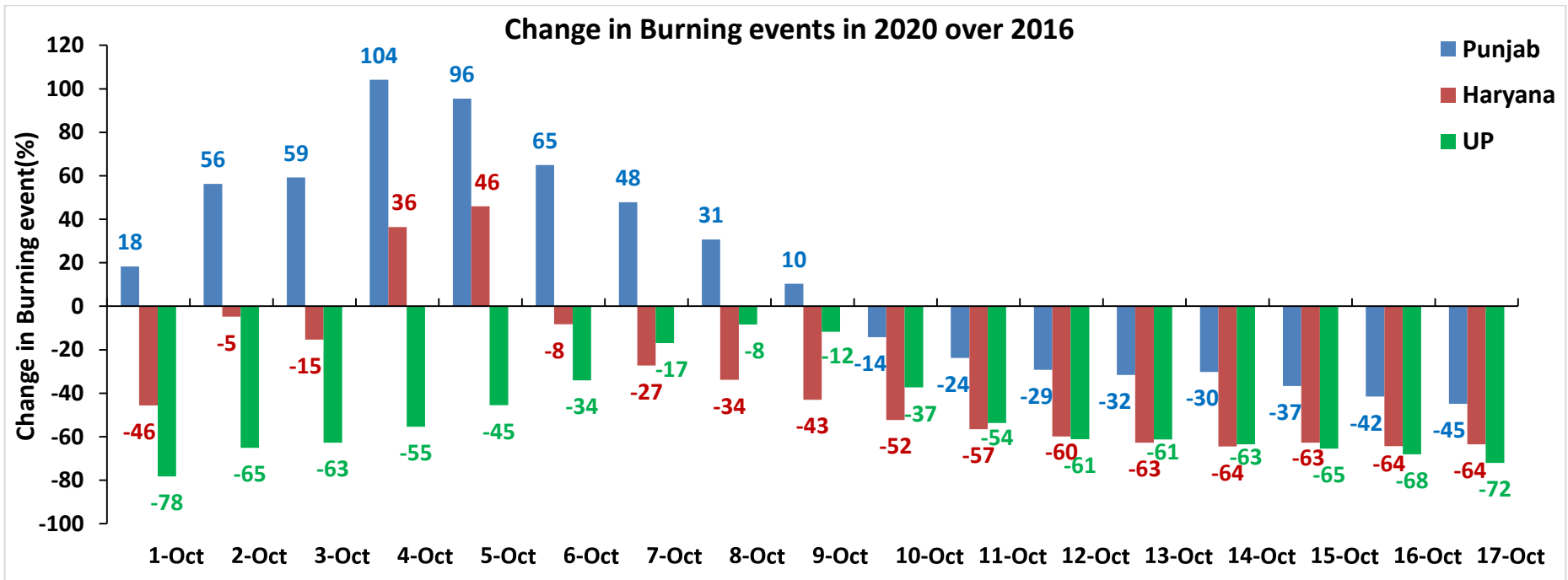
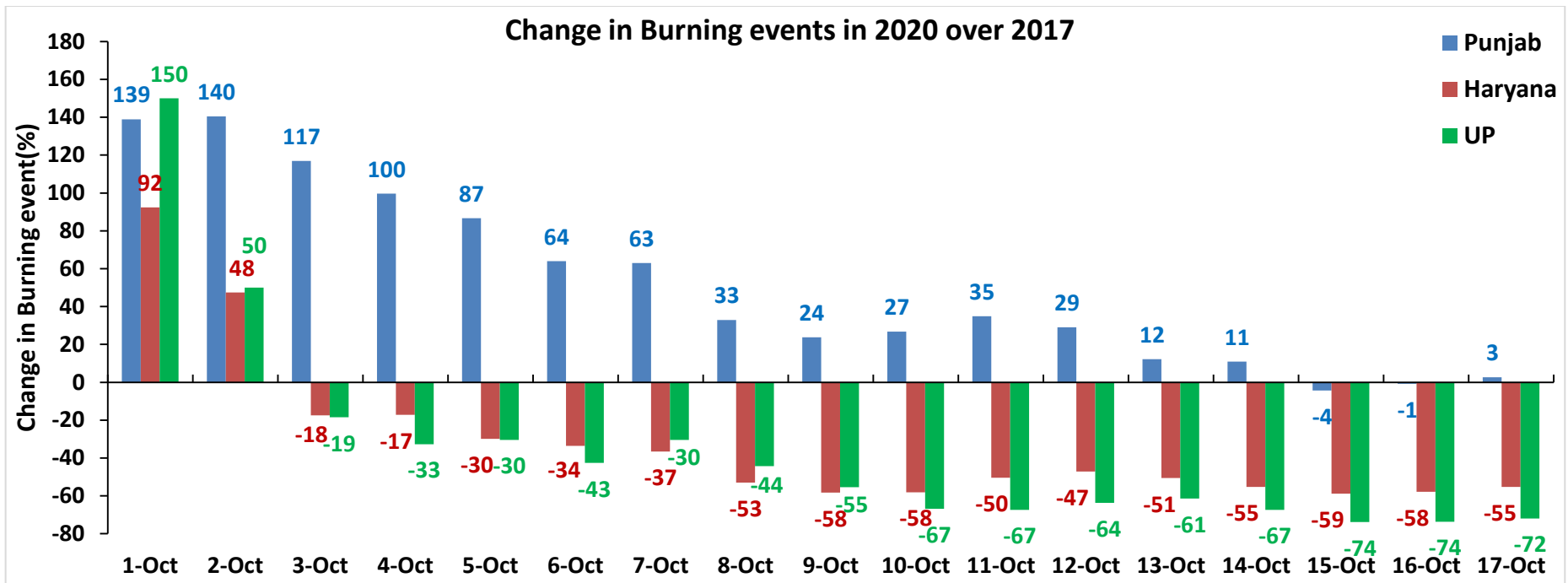
(01-Oct to 17-Oct)



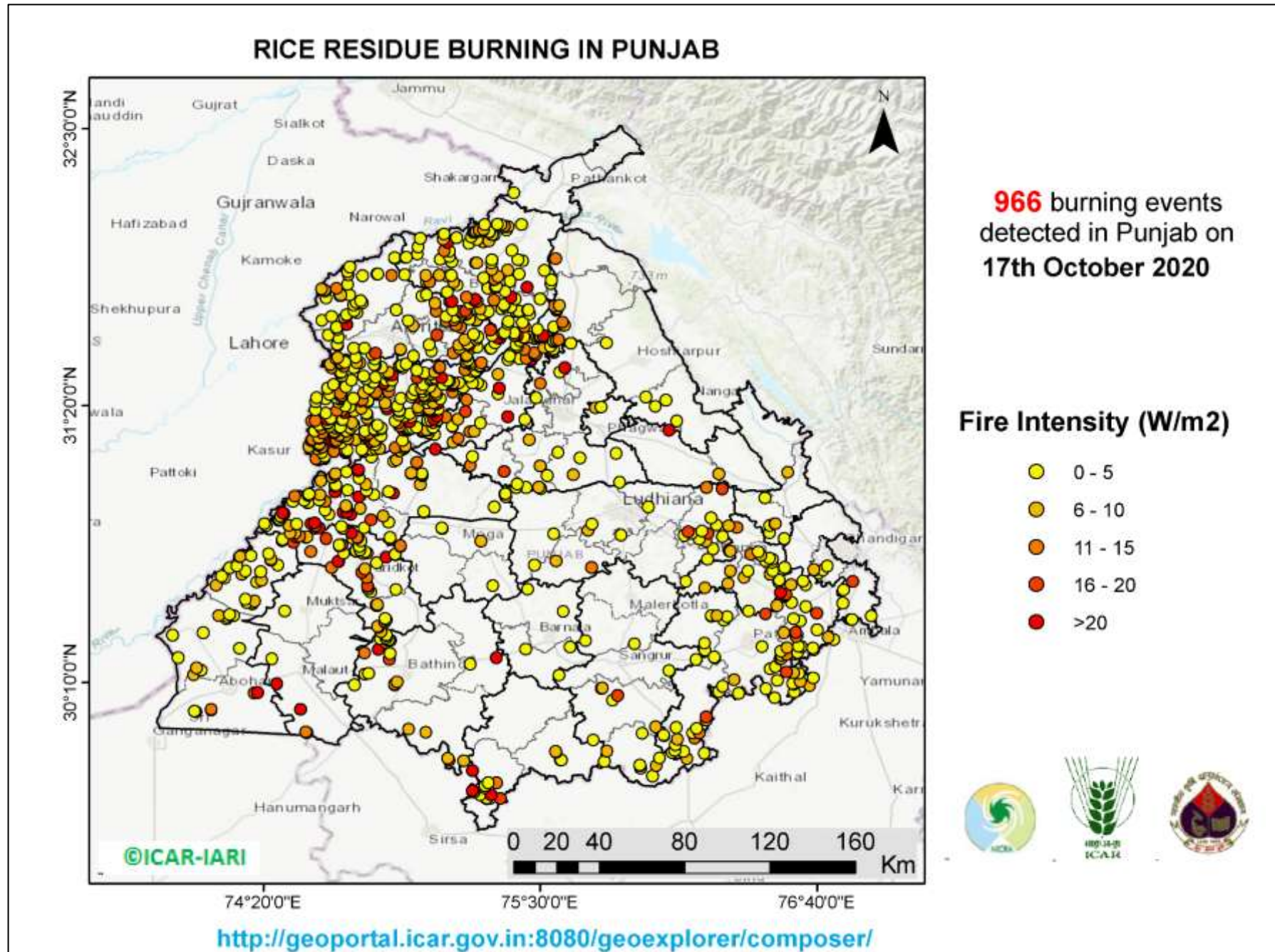


Percent Change in Burning events in 2020 over 2019, 2018, 2017 and 2016 (Daily Cumulative)

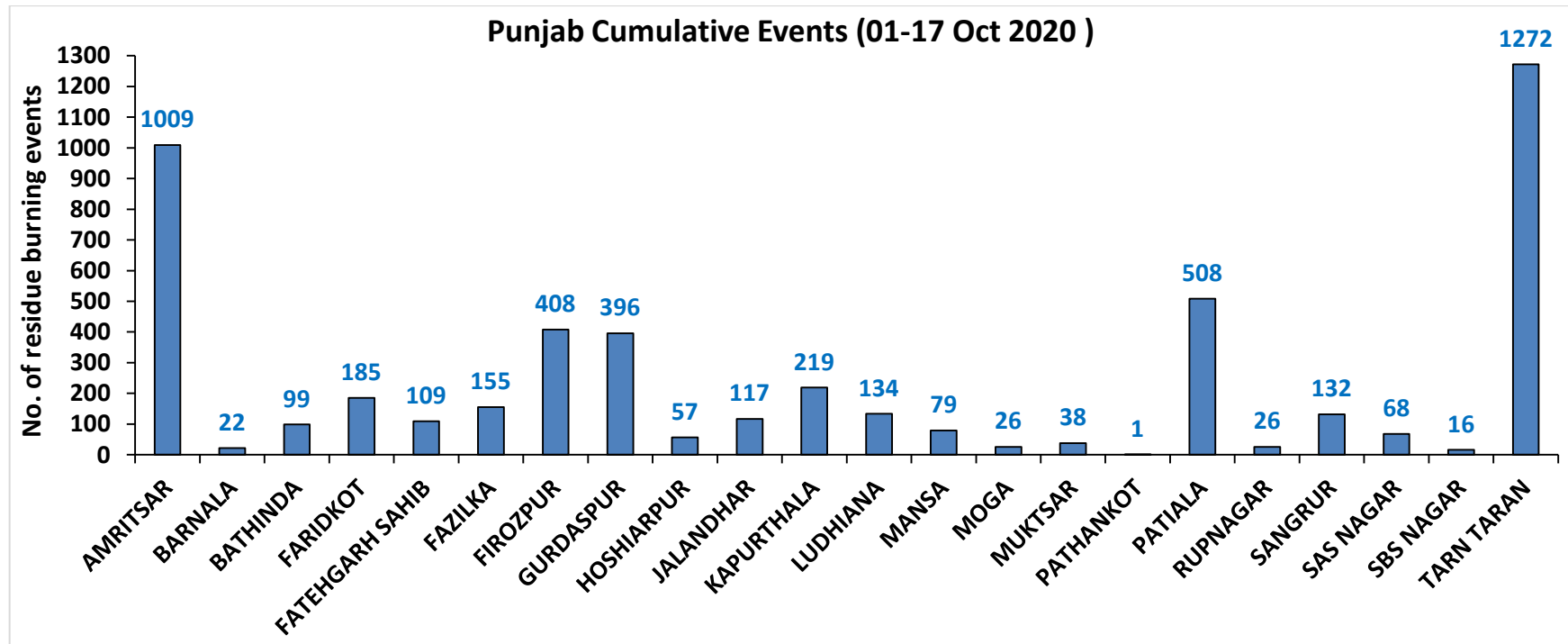
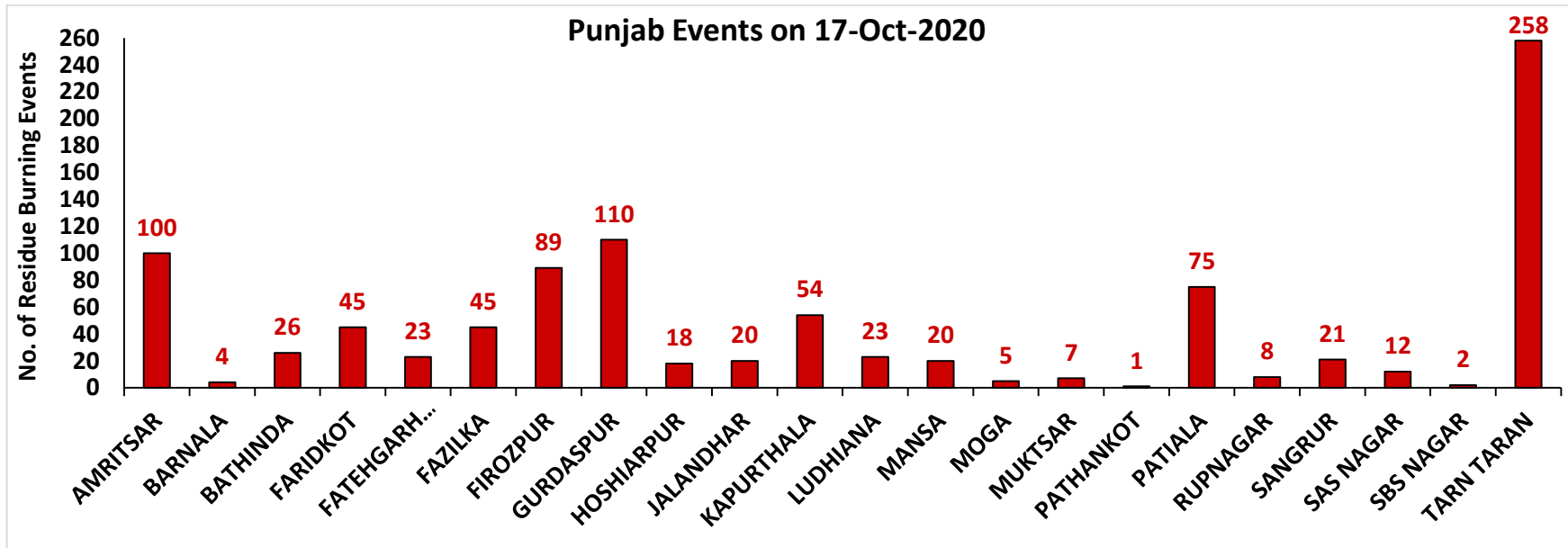




(a) Punjab

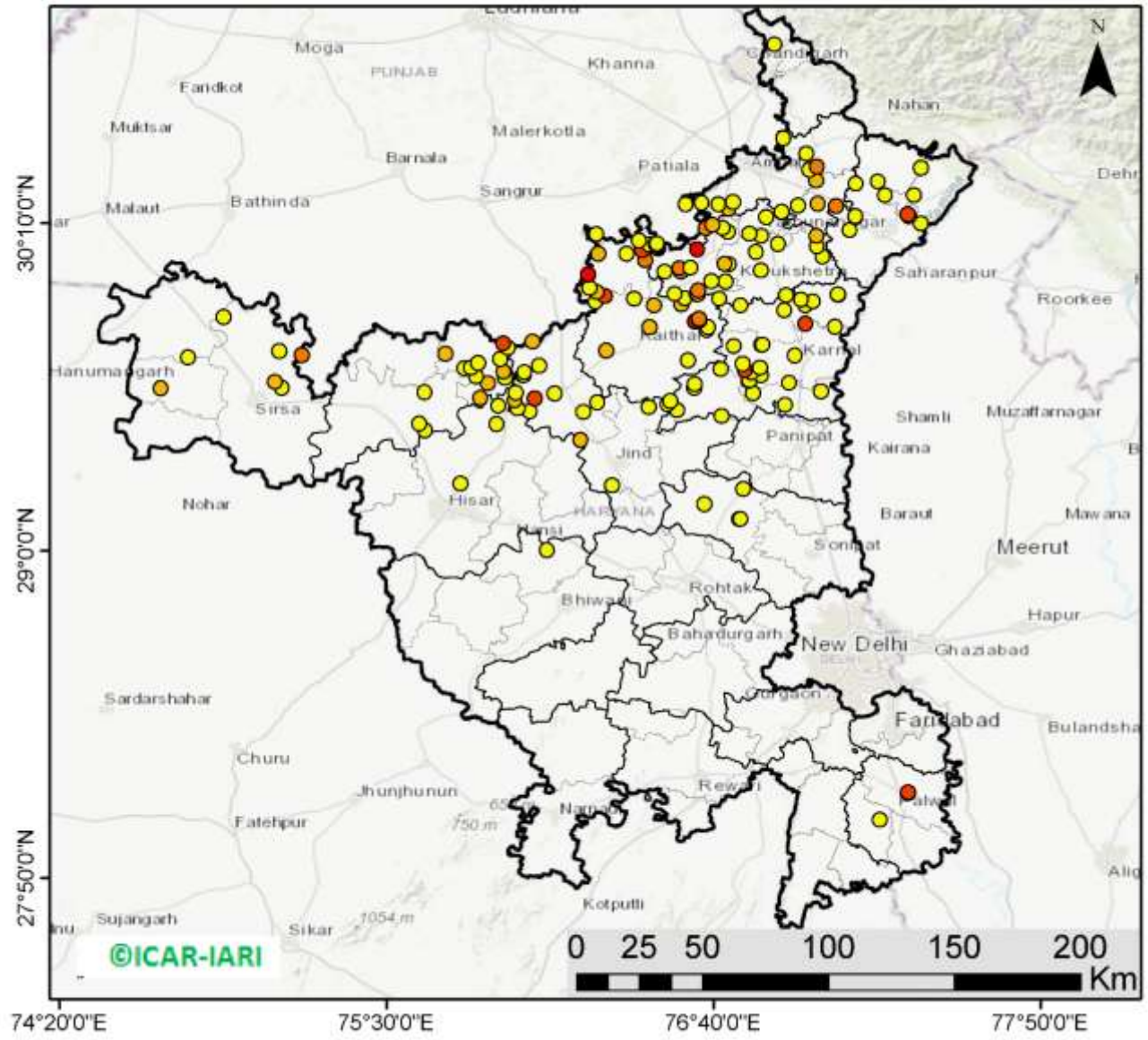


District-wise number of residue burning events in Punjab (01-17 Oct 2020)



(b) Haryana

RICE RESIDUE BURNING IN HARYANA



167 burning events detected in Haryana on 17th October 2020

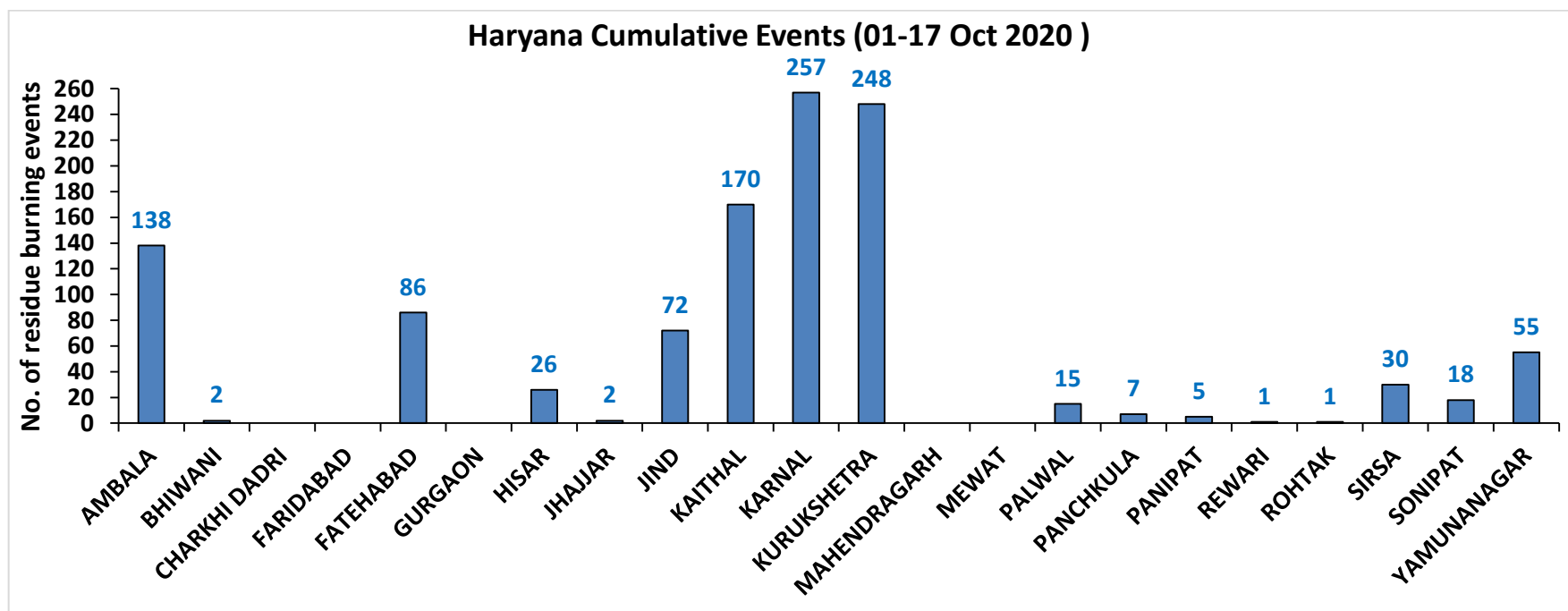
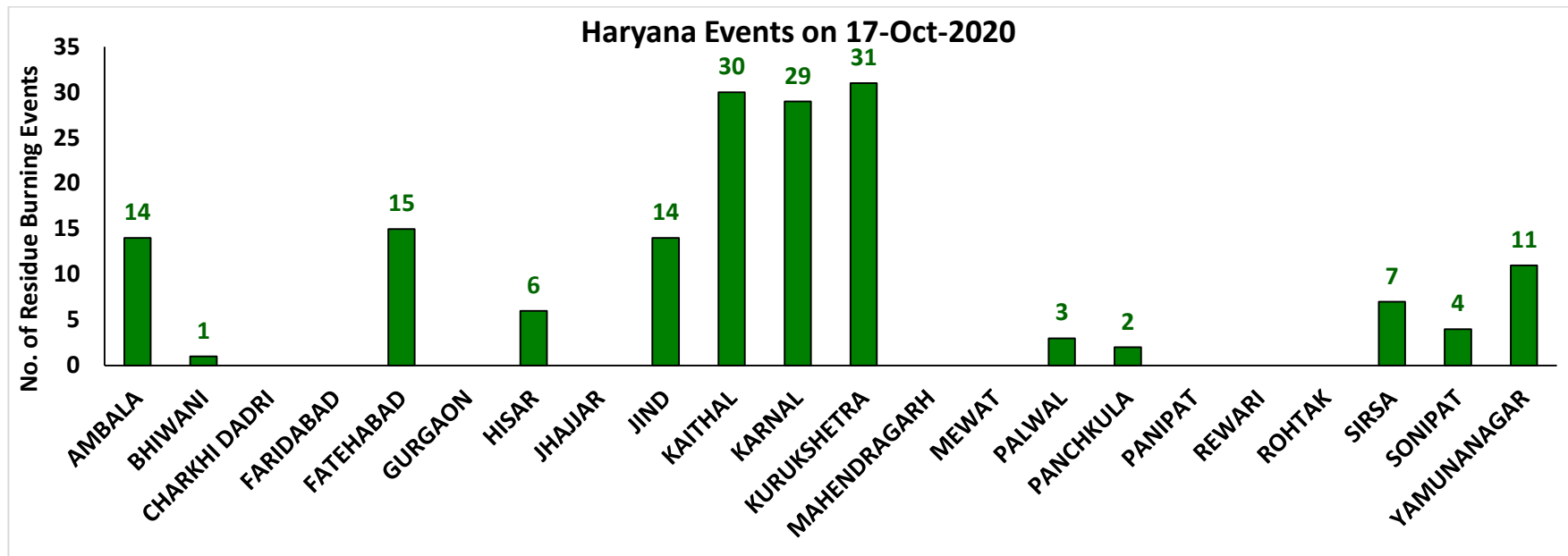
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



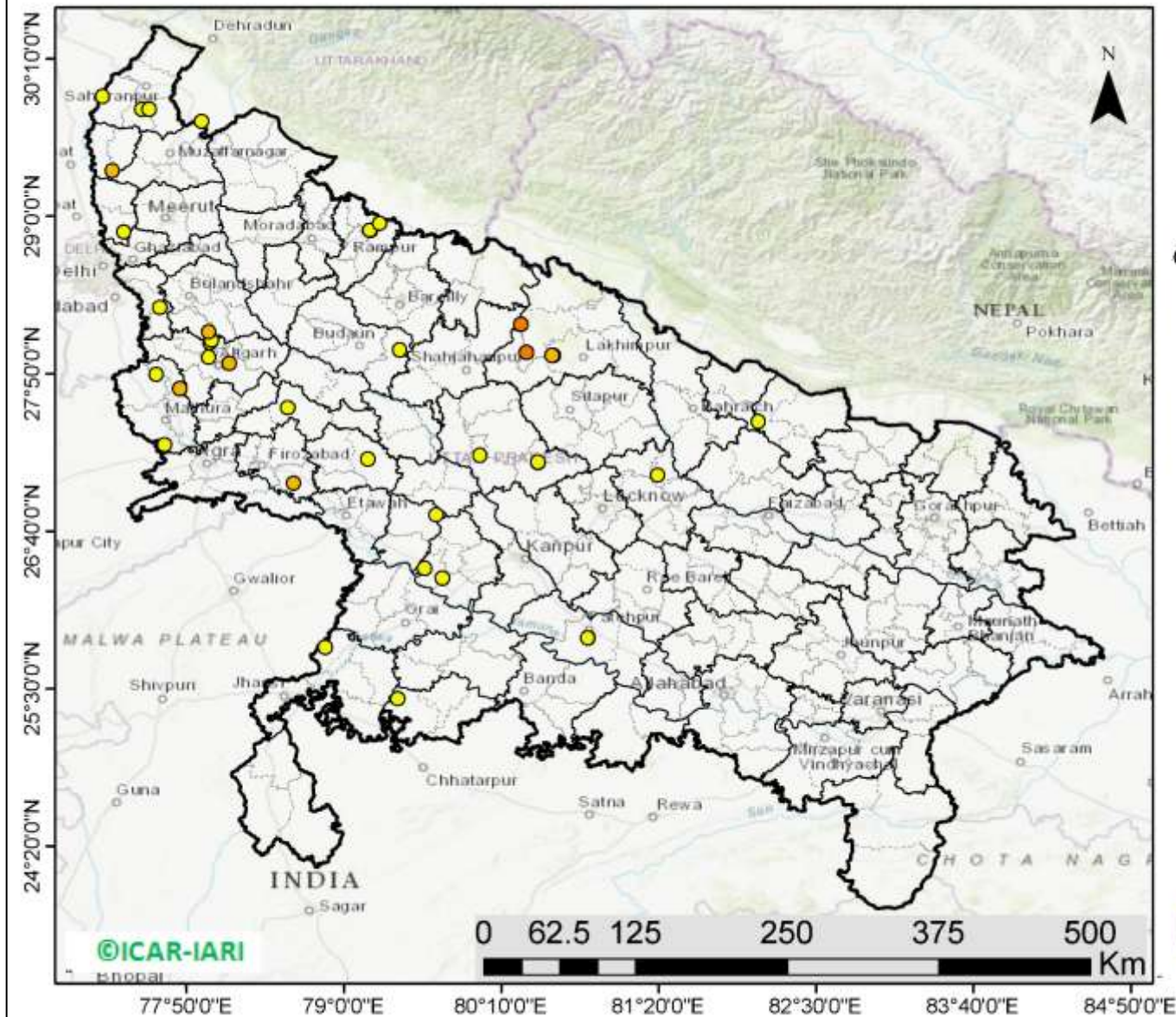
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise number of residue burning events in Haryana (01-17 Oct 2020)



(c) Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



38 burning events detected in Uttar Pradesh on 17th October 2020

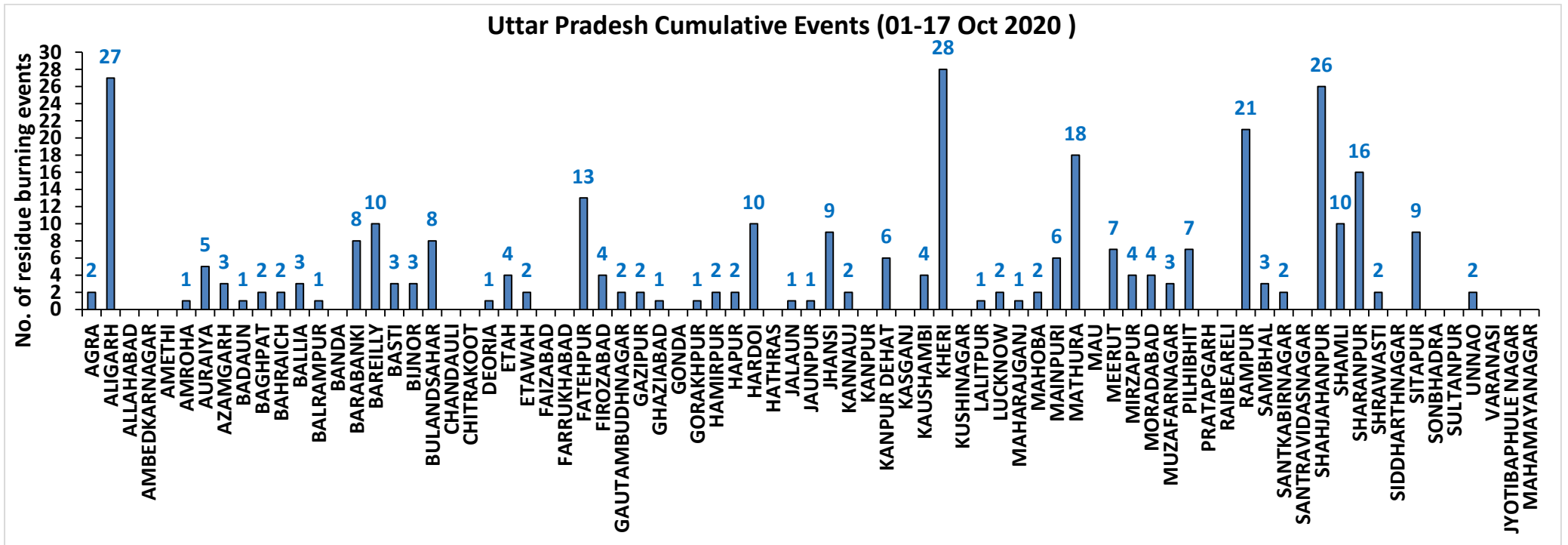
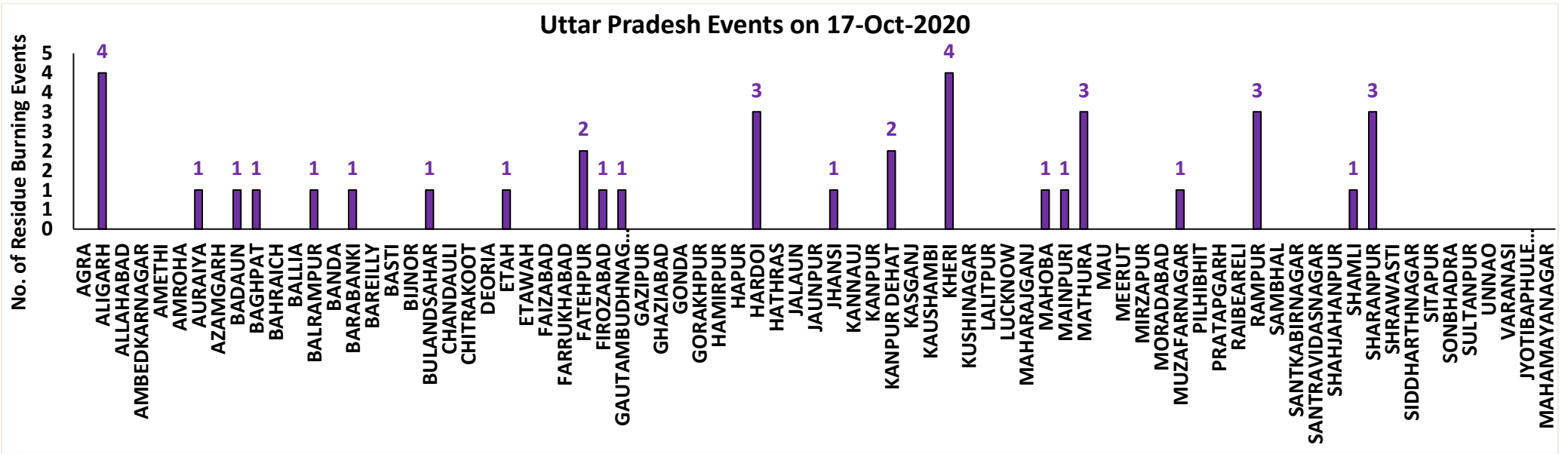
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise number of residue burning events in Uttar Pradesh (01-17 Oct 2020)



State-wise and date-wise number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020
(Period: 01-17 October)

Date	Punjab					Haryana					UP					Total				
	2020	2019	2018	2017	2016	2020	2019	2018	2017	2016	2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
01-Oct	129	3	16	54	109	25	1	9	13	46	5	1	11	2	23	159	5	36	69	178
02-Oct	121	20	9	50	51	34	2	23	27	16	10	0	21	8	20	165	22	53	85	87
03-Oct	110	37	4	62	66	07	16	9	40	16	07	3	12	17	16	124	56	25	119	98
04-Oct	177	3	32	103	37	50	30	16	60	7	11	4	5	22	15	238	37	53	185	59
05-Oct	163	16	56	106	95	30	37	30	68	15	15	11	10	20	14	208	64	96	194	124
06-Oct	141	0	87	138	152	42	22	63	75	105	14	8	13	39	6	197	30	163	252	263
07-Oct	166	27	162	105	171	53	16	180	97	126	36	4	69	33	24	255	47	411	235	321
08-Oct	100	59	39	215	166	40	69	40	218	94	23	18	54	76	14	163	146	133	509	274
09-Oct	126	93	75	163	270	30	70	47	148	121	15	17	32	88	22	171	180	154	399	413
10-Oct	238	172	23	164	597	65	157	37	151	242	07	53	21	126	74	310	382	81	441	913
11-Oct	333	78	30	177	652	112	126	78	87	336	22	38	24	74	128	467	242	132	338	1116
12-Oct	362	99	67	342	694	98	154	133	123	338	37	42	22	51	164	497	295	222	516	1196
13-Oct	247	108	62	470	467	64	159	147	207	284	39	33	61	69	102	350	300	270	746	853
14-Oct	616	141	112	582	812	87	133	153	333	328	08	39	57	137	60	711	313	322	1052	1200
15-Oct	487	262	90	943	1215	129	203	110	458	248	13	63	35	237	76	629	528	235	1638	1539
16-Oct	594	168	174	465	1478	100	148	138	186	385	20	77	20	71	125	714	393	332	722	1988
17-Oct	966	250	272	807	2173	167	152	268	244	399	38	53	94	69	261	1171	455	634	1120	2833
Total	5076	1536	1310	4946	9205	1133	1495	1481	2535	3106	320	464	561	1139	1144	6529	3495	3352	8620	13455

District-wise and date wise cumulative number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020
(Period: 01-17 October)

(a) Punjab

Districts	01-17 Oct				
	2016	2017	2018	2019	2020
AMRITSAR	836	532	458	366	1009
BARNALA	27	15	4	6	22
BATHINDA	522	356	29	17	99
FARIDKOT	716	717	39	74	185
FATEHGARH SAHIB	500	174	19	16	109
FAZILKA	0	0	0	54	155
FIROZPUR	978	588	95	115	408
GURDASPUR	433	137	57	67	396
HOSHIARPUR	78	21	3	9	57
JALANDHAR	588	180	10	68	117
KAPURTHALA	508	64	6	41	219
LUDHIANA	435	314	29	18	134
MANSA	81	92	23	42	79
MOGA	141	74	6	22	26
MUKTSAR	762	208	19	31	38
PATHANKOT	0	0	0	0	1
PATIALA	736	573	160	179	508
RUPNAGAR	106	7	0	1	26
SANGRUR	177	182	62	47	132
SAS NAGAR	54	51	31	19	68
SBS NAGAR	165	56	14	15	16
TARN TARAN	1362	605	246	329	1272
Total	9205	4946	1310	1536	5076

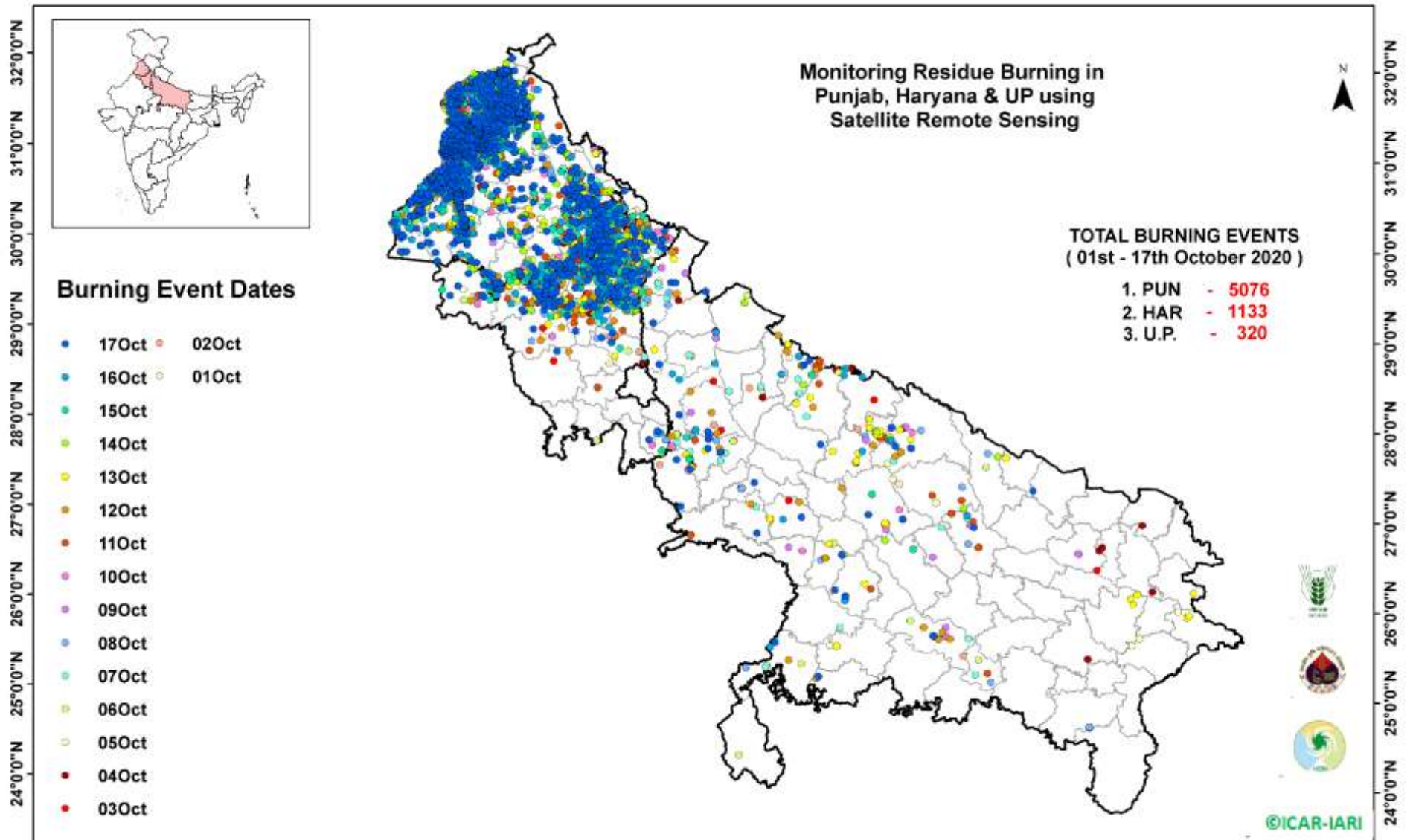
(b) Haryana

Districts	01-17 Oct				
	2016	2017	2018	2019	2020
AMBALA	193	175	44	63	138
BHIWANI	1	2	3	0	2
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	19	44	41	1	0
FATEHABAD	143	117	74	105	86
GURGAON	0	0	0	0	0
HISAR	25	19	10	17	26
JHAJJAR	4	1	4	2	2
JIND	87	109	60	65	72
KAITHAL	837	570	420	384	170
KARNAL	993	793	434	423	257
KURUKSHETRA	631	562	299	320	248
MAHENDRAGARH	0	0	0	1	0
MEWAT	0	0	0	0	0
PALWAL	0	0	0	32	15
PANCHKULA	0	0	3	12	7
PANIPAT	27	31	32	6	5
REWARI	0	0	0	1	1
ROHTAK	1	1	0	0	1
SIRSA	83	19	14	14	30
SONIPAT	7	12	10	1	18
YAMUNANAGAR	55	80	33	48	55
Total	3106	2535	1481	1495	1133

(C)
Uttar Pradesh

Districts	01-17 Oct																	
	2016	2017	2018	2019	2020	GAUTAMBUDHNAGAR	2	4	2	0	2	MUZAFARNAGAR	33	44	16	5	3	
AGRA	0	0	0	0	2	GAZIPUR	0	0	0	0	2	PILHIBHIT	214	208	81	119	7	
ALIGARH	4	14	13	18	27	GHAZIABAD	7	3	2	2	1	PRATAPGARH	0	0	2	0	0	
ALLAHABAD	0	0	3	0	0	GONDA	0	0	0	0	0	RAIBEARELI	0	0	0	0	0	
AMBEDKARNAGAR	0	1	0	0	0	GORAKHPUR	0	2	4	0	1	RAMPUR	235	174	37	80	21	
AMETHI	0	0	0	0	0	HAMIRPUR	0	0	1	0	2	SAMBHAL	0	0	0	2	3	
AMROHA	0	0	0	0	1	HAPUR	0	0	0	2	2	SANTKABIRNAGAR	0	0	0	0	2	
AURAIYA	43	44	15	1	5	HARDOI	11	8	4	1	10	SANTRAVIDASNAGAR	0	0	0	0	0	
AZAMGARH	0	0	0	0	3	HATHRAS	0	0	0	0	0	SHAHJAHANPUR	293	337	86	64	26	
BADAUN	0	1	0	0	1	JALAUN	0	0	0	0	1	SHAMLI	0	0	0	8	10	
BAGHPAT	0	0	0	2	2	JAUNPUR	0	0	2	0	1	SHARANPUR	16	20	10	6	16	
BAHRAICH	0	2	3	0	2	JHANSI	0	0	0	2	9	SHRAWASTI	0	3	0	1	2	
BALLIA	0	0	0	1	3	KANNAUJ	0	0	1	1	2	SIDDHARTHANAGAR	1	1	0	0	0	
BALRAMPUR	0	0	0	0	1	KANPUR	1	3	0	0	0	SITAPUR	21	10	6	3	9	
BANDA	0	0	1	0	0	KANPUR DEHAT	0	1	0	0	6	SONBHADRA	3	1	5	0	0	
BARABANKI	27	25	44	5	8	KASGANJ	0	0	0	0	0	SULTANPUR	0	0	0	0	0	
BAREILLY	62	34	8	24	10	KAUSHAMBI	0	4	9	1	4	UNNAO	3	1	3	3	2	
BASTI	0	0	0	0	3	KHERI	104	95	42	46	28	VARANASI	0	0	0	0	0	
BIJNOR						KUSHINAGAR						JYOTIBAPHULE NAGAR	1	0	1	0	0	
BULANDSAHAR	3	6	6	4	8	LALITPUR	0	0	0	0	1	MAHAMAYANAGAR	0	0	1	0	0	
CHANDAULI	0	0	0	0	0	LUCKNOW	5	5	0	1	2	Total	1144	1139	561	464	320	
CHITRAKOOT	0	0	0	0	0	MAHARAJGANJ	2	11	6	1	1							
DEORIA	0	0	0	0	1	MAHOBA	0	0	0	0	2							
ETAH	0	4	9	0	4	MAINPURI	0	3	4	3	6							
ETAWAH	3	6	1	0	2	MATHURA	23	40	118	46	18							
FAIZABAD	0	1	0	0	0	MAU	1	0	0	0	0							
FARRUKHABAD	0	0	0	1	0	MEERUT	12	8	0	4	7							
FATEHPUR	4	4	6	1	13	MIRZAPUR	0	2	3	3	4							
FIROZABAD	3	0	0	1	4	MORADABAD	6	8	5	2	4							

Map of Cumulative Burning Events (01-17 Oct 2020)



Details of residue burning events in Punjab on 17-Oct-2020

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	74.60685	31.63083	13:30:00	D	3.40
2	AMRITSAR	AJNALA	S-NPP	74.64381	31.65370	13:30:00	D	2.60
3	AMRITSAR	AJNALA	S-NPP	74.64169	31.66360	13:30:00	D	3.60
4	AMRITSAR	AJNALA	S-NPP	74.68550	31.67385	13:30:00	D	22.10
5	AMRITSAR	AJNALA	S-NPP	74.58129	31.69168	13:30:00	D	4.00
6	AMRITSAR	AJNALA	S-NPP	74.67513	31.70293	13:30:00	D	3.90
7	AMRITSAR	AJNALA	S-NPP	74.62023	31.70760	13:30:00	D	2.70
8	AMRITSAR	AJNALA	S-NPP	74.68587	31.71142	13:30:00	D	3.00
9	AMRITSAR	AJNALA	S-NPP	74.68516	31.71472	13:30:00	D	3.00
10	AMRITSAR	AJNALA	S-NPP	74.72949	31.72471	13:30:00	D	3.60
11	AMRITSAR	AJNALA	S-NPP	74.71526	31.73272	13:30:00	D	2.50
12	AMRITSAR	AJNALA	S-NPP	74.71439	31.75644	13:30:00	D	1.90
13	AMRITSAR	AJNALA	S-NPP	74.75010	31.76541	13:30:00	D	1.60
14	AMRITSAR	AJNALA	S-NPP	74.72443	31.76823	13:30:00	D	3.00
15	AMRITSAR	AJNALA	S-NPP	74.74395	31.77468	13:30:00	D	1.90
16	AMRITSAR	AJNALA	S-NPP	74.59924	31.78620	13:30:00	D	3.10
17	AMRITSAR	AJNALA	S-NPP	74.65597	31.79506	13:30:00	D	6.90
18	AMRITSAR	AJNALA	S-NPP	74.66002	31.79569	13:30:00	D	6.90
19	AMRITSAR	AJNALA	S-NPP	74.69716	31.79807	13:30:00	D	1.60
20	AMRITSAR	AJNALA	S-NPP	74.65527	31.79836	13:30:00	D	6.90
21	AMRITSAR	AJNALA	S-NPP	74.65932	31.79899	13:30:00	D	6.90
22	AMRITSAR	AJNALA	S-NPP	74.59394	31.81527	13:30:00	D	4.40
23	AMRITSAR	AJNALA	S-NPP	74.59323	31.81857	13:30:00	D	7.10
24	AMRITSAR	AJNALA	S-NPP	74.57966	31.82326	13:30:00	D	5.70
25	AMRITSAR	AJNALA	S-NPP	74.64186	31.82619	13:30:00	D	11.00
26	AMRITSAR	AJNALA	S-NPP	74.68835	31.84369	13:30:00	D	3.80
27	AMRITSAR	AJNALA	S-NPP	74.75157	31.88078	13:30:00	D	0.80
28	AMRITSAR	AJNALA	AQUA	74.87400	31.88200	14:05:00	D	14.10
29	AMRITSAR	AJNALA	S-NPP	74.69207	31.88517	13:30:00	D	6.30
30	AMRITSAR	AJNALA	S-NPP	74.81289	31.88688	13:30:00	D	3.50

31	AMRITSAR	AJNALA	S-NPP	74.81693	31.88751	13:30:00	D	3.50
32	AMRITSAR	AJNALA	S-NPP	74.68926	31.89836	13:30:00	D	2.10
33	AMRITSAR	AJNALA	S-NPP	74.69789	31.91675	13:30:00	D	3.00
34	AMRITSAR	AJNALA	S-NPP	74.88672	31.95276	13:30:00	D	2.00
35	AMRITSAR	AJNALA	S-NPP	74.88602	31.95605	13:30:00	D	2.00
36	AMRITSAR	AJNALA	S-NPP	74.93193	31.95630	13:30:00	D	2.50
37	AMRITSAR	AJNALA	S-NPP	74.93598	31.95692	13:30:00	D	2.50
38	AMRITSAR	AMRITSAR I	S-NPP	74.96700	31.54151	13:30:00	D	4.00
39	AMRITSAR	AMRITSAR I	S-NPP	75.04204	31.56295	13:30:00	D	2.80
40	AMRITSAR	AMRITSAR I	S-NPP	75.03249	31.58871	13:30:00	D	2.30
41	AMRITSAR	AMRITSAR I	S-NPP	75.10770	31.68802	13:30:00	D	3.40
42	AMRITSAR	AMRITSAR I	S-NPP	75.11173	31.68864	13:30:00	D	5.60
43	AMRITSAR	AMRITSAR I	AQUA	75.10300	31.68900	14:05:00	D	13.10
44	AMRITSAR	AMRITSAR I	S-NPP	75.10358	31.70780	13:30:00	D	3.90
45	AMRITSAR	AMRITSAR I	AQUA	75.06200	31.73100	14:05:00	D	10.20
46	AMRITSAR	AMRITSAR I	AQUA	75.05800	31.76500	14:05:00	D	10.00
47	AMRITSAR	AMRITSAR I	S-NPP	75.00265	31.79421	13:30:00	D	2.00
48	AMRITSAR	AMRITSAR I	S-NPP	75.02215	31.80061	13:30:00	D	2.30
49	AMRITSAR	AMRITSAR II	S-NPP	74.61634	31.50696	13:30:00	D	5.30
50	AMRITSAR	AMRITSAR II	S-NPP	74.91224	31.56677	13:30:00	D	4.30
51	AMRITSAR	AMRITSAR II	S-NPP	74.91154	31.57006	13:30:00	D	9.90
52	AMRITSAR	AMRITSAR II	S-NPP	74.71496	31.57359	13:30:00	D	4.00
53	AMRITSAR	AMRITSAR II	S-NPP	74.76080	31.57392	13:30:00	D	3.80
54	AMRITSAR	AMRITSAR II	S-NPP	74.64536	31.58659	13:30:00	D	1.90
55	AMRITSAR	AMRITSAR II	S-NPP	74.64465	31.58989	13:30:00	D	2.50
56	AMRITSAR	AMRITSAR II	S-NPP	74.65085	31.62068	13:30:00	D	4.70
57	AMRITSAR	AMRITSAR II	S-NPP	74.96581	31.66965	13:30:00	D	6.80
58	AMRITSAR	AMRITSAR II	S-NPP	74.94482	31.69024	13:30:00	D	2.60
59	AMRITSAR	AMRITSAR II	S-NPP	74.89334	31.73678	13:30:00	D	2.00
60	AMRITSAR	BABA BAKALA	S-NPP	75.24529	31.50246	13:30:00	D	2.00
61	AMRITSAR	BABA BAKALA	AQUA	75.21100	31.50600	14:05:00	D	13.90
62	AMRITSAR	BABA BAKALA	S-NPP	75.20161	31.51282	13:30:00	D	3.90
63	AMRITSAR	BABA BAKALA	S-NPP	75.25130	31.51358	13:30:00	D	12.40

64	AMRITSAR	BABA BAKALA	S-NPP	75.18884	31.51427	13:30:00	D	7.70
65	AMRITSAR	BABA BAKALA	S-NPP	75.18816	31.51757	13:30:00	D	8.20
66	AMRITSAR	BABA BAKALA	S-NPP	75.19485	31.52539	13:30:00	D	3.90
67	AMRITSAR	BABA BAKALA	S-NPP	75.18741	31.54126	13:30:00	D	37.50
68	AMRITSAR	BABA BAKALA	S-NPP	75.19144	31.54188	13:30:00	D	9.80
69	AMRITSAR	BABA BAKALA	S-NPP	75.19075	31.54518	13:30:00	D	6.40
70	AMRITSAR	BABA BAKALA	S-NPP	75.13496	31.55367	13:30:00	D	10.70
71	AMRITSAR	BABA BAKALA	AQUA	75.29100	31.57200	14:05:00	D	20.60
72	AMRITSAR	BABA BAKALA	S-NPP	75.16026	31.57426	13:30:00	D	1.00
73	AMRITSAR	BABA BAKALA	S-NPP	75.29279	31.57430	13:30:00	D	4.40
74	AMRITSAR	BABA BAKALA	S-NPP	75.21349	31.57585	13:30:00	D	2.90
75	AMRITSAR	BABA BAKALA	S-NPP	75.23364	31.57892	13:30:00	D	2.80
76	AMRITSAR	BABA BAKALA	AQUA	75.20000	31.58600	14:05:00	D	31.10
77	AMRITSAR	BABA BAKALA	S-NPP	75.39828	31.58685	13:30:00	D	1.30
78	AMRITSAR	BABA BAKALA	S-NPP	75.15752	31.58745	13:30:00	D	9.00
79	AMRITSAR	BABA BAKALA	S-NPP	75.19380	31.59298	13:30:00	D	2.80
80	AMRITSAR	BABA BAKALA	S-NPP	75.30937	31.59692	13:30:00	D	3.30
81	AMRITSAR	BABA BAKALA	S-NPP	75.18164	31.61153	13:30:00	D	5.10
82	AMRITSAR	BABA BAKALA	S-NPP	75.23137	31.61230	13:30:00	D	9.40
83	AMRITSAR	BABA BAKALA	S-NPP	75.33018	31.61707	13:30:00	D	11.60
84	AMRITSAR	BABA BAKALA	S-NPP	75.32143	31.61915	13:30:00	D	21.20
85	AMRITSAR	BABA BAKALA	S-NPP	75.23740	31.62342	13:30:00	D	3.60
86	AMRITSAR	BABA BAKALA	S-NPP	75.29855	31.62929	13:30:00	D	3.50
87	AMRITSAR	BABA BAKALA	AQUA	75.06500	31.63000	14:05:00	D	18.50
88	AMRITSAR	BABA BAKALA	S-NPP	75.21854	31.63416	13:30:00	D	2.60
89	AMRITSAR	BABA BAKALA	AQUA	75.29100	31.65200	14:05:00	D	15.90
90	AMRITSAR	BABA BAKALA	AQUA	75.16500	31.66300	14:05:00	D	14.40
91	AMRITSAR	BABA BAKALA	S-NPP	75.14444	31.67049	13:30:00	D	10.20
92	AMRITSAR	BABA BAKALA	AQUA	75.13800	31.69300	14:05:00	D	10.40
93	AMRITSAR	BABA BAKALA	S-NPP	75.20185	31.69557	13:30:00	D	2.80
94	AMRITSAR	BABA BAKALA	S-NPP	75.14126	31.70675	13:30:00	D	3.90
95	AMRITSAR	BABA BAKALA	S-NPP	75.18900	31.71742	13:30:00	D	6.40
96	AMRITSAR	BABA BAKALA	S-NPP	75.19235	31.72133	13:30:00	D	7.80

97	AMRITSAR	BABA BAKALA	S-NPP	75.17149	31.72156	13:30:00	D	1.50
98	AMRITSAR	BABA BAKALA	AQUA	75.16800	31.73000	14:05:00	D	16.30
99	AMRITSAR	BABA BAKALA	AQUA	75.18600	31.73200	14:05:00	D	18.10
100	AMRITSAR	BABA BAKALA	S-NPP	75.13106	31.73582	13:30:00	D	0.90
101	BARNALA	BARNALA	S-NPP	75.59727	30.46560	13:30:00	D	4.40
102	BARNALA	BARNALA	S-NPP	75.44752	30.55816	13:30:00	D	1.90
103	BARNALA	TAPPA	S-NPP	75.43949	30.30647	13:30:00	D	3.80
104	BARNALA	TAPPA	S-NPP	75.62644	30.31455	13:30:00	D	1.70
105	BATHINDA	BATHINDA	S-NPP	74.88666	30.15581	13:30:00	D	11.40
106	BATHINDA	BATHINDA	S-NPP	74.71684	30.15626	13:30:00	D	3.80
107	BATHINDA	BATHINDA	S-NPP	74.88597	30.15912	13:30:00	D	11.40
108	BATHINDA	BATHINDA	S-NPP	74.89659	30.16762	13:30:00	D	8.40
109	BATHINDA	BATHINDA	S-NPP	74.76138	30.20096	13:30:00	D	1.40
110	BATHINDA	BATHINDA	S-NPP	74.77742	30.20350	13:30:00	D	2.30
111	BATHINDA	BATHINDA	AQUA	74.86500	30.26500	14:05:00	D	19.20
112	BATHINDA	BATHINDA	S-NPP	74.86758	30.28883	13:30:00	D	2.50
113	BATHINDA	BATHINDA	S-NPP	74.75992	30.28892	13:30:00	D	11.80
114	BATHINDA	BATHINDA	S-NPP	74.81870	30.30504	13:30:00	D	22.90
115	BATHINDA	BATHINDA	AQUA	74.84900	30.33300	14:05:00	D	12.60
116	BATHINDA	BATHINDA	S-NPP	74.86166	30.34149	13:30:00	D	3.40
117	BATHINDA	BATHINDA	S-NPP	74.86965	30.34276	13:30:00	D	10.60
118	BATHINDA	BATHINDA	S-NPP	74.86096	30.34480	13:30:00	D	3.40
119	BATHINDA	BATHINDA	S-NPP	74.82684	30.34965	13:30:00	D	4.30
120	BATHINDA	BATHINDA	S-NPP	74.85088	30.35346	13:30:00	D	3.10
121	BATHINDA	BATHINDA	S-NPP	74.85281	30.36401	13:30:00	D	4.50
122	BATHINDA	BATHINDA	S-NPP	74.85213	30.36732	13:30:00	D	3.80
123	BATHINDA	BATHINDA	S-NPP	74.82864	30.38068	13:30:00	D	7.50
124	BATHINDA	RAMPURA PHUL	S-NPP	75.20613	30.24330	13:30:00	D	2.30
125	BATHINDA	RAMPURA PHUL	S-NPP	75.31555	30.27042	13:30:00	D	22.00
126	BATHINDA	TALWANDI SABO	S-NPP	75.17744	29.83572	13:30:00	D	5.30
127	BATHINDA	TALWANDI SABO	AQUA	75.11700	29.83700	14:05:00	D	15.30
128	BATHINDA	TALWANDI SABO	S-NPP	75.11011	29.84524	13:30:00	D	8.90
129	BATHINDA	TALWANDI SABO	S-NPP	75.01821	29.95614	13:30:00	D	9.40

130	BATHINDA	TALWANDI SABO	S-NPP	74.94563	29.96861	13:30:00	D	5.70
131	FARIDKOT	FARIDKOT	S-NPP	74.78627	30.54657	13:30:00	D	1.70
132	FARIDKOT	FARIDKOT	S-NPP	74.89189	30.55641	13:30:00	D	2.40
133	FARIDKOT	FARIDKOT	S-NPP	74.77546	30.55852	13:30:00	D	3.30
134	FARIDKOT	FARIDKOT	S-NPP	74.77338	30.56844	13:30:00	D	26.70
135	FARIDKOT	FARIDKOT	S-NPP	74.77268	30.57175	13:30:00	D	15.90
136	FARIDKOT	FARIDKOT	S-NPP	74.76906	30.60876	13:30:00	D	10.50
137	FARIDKOT	FARIDKOT	S-NPP	74.74811	30.62937	13:30:00	D	20.00
138	FARIDKOT	FARIDKOT	S-NPP	74.76186	30.64461	13:30:00	D	9.00
139	FARIDKOT	FARIDKOT	AQUA	74.62100	30.65100	14:05:00	D	12.80
140	FARIDKOT	FARIDKOT	S-NPP	74.81059	30.66939	13:30:00	D	2.30
141	FARIDKOT	FARIDKOT	S-NPP	74.65154	30.67498	13:30:00	D	3.70
142	FARIDKOT	FARIDKOT	AQUA	74.64900	30.67600	14:05:00	D	45.60
143	FARIDKOT	FARIDKOT	S-NPP	74.85126	30.69286	13:30:00	D	39.10
144	FARIDKOT	FARIDKOT	S-NPP	74.89068	30.70246	13:30:00	D	1.90
145	FARIDKOT	FARIDKOT	S-NPP	74.88998	30.70576	13:30:00	D	3.30
146	FARIDKOT	FARIDKOT	AQUA	74.75500	30.70900	14:05:00	D	9.90
147	FARIDKOT	FARIDKOT	S-NPP	74.67342	30.70923	13:30:00	D	2.30
148	FARIDKOT	FARIDKOT	AQUA	74.77100	30.71100	14:05:00	D	11.90
149	FARIDKOT	FARIDKOT	S-NPP	74.76333	30.71658	13:30:00	D	3.60
150	FARIDKOT	FARIDKOT	S-NPP	74.72574	30.71749	13:30:00	D	1.60
151	FARIDKOT	FARIDKOT	AQUA	74.53300	30.71800	14:05:00	D	12.90
152	FARIDKOT	FARIDKOT	S-NPP	74.72102	30.72016	13:30:00	D	2.50
153	FARIDKOT	FARIDKOT	S-NPP	74.72504	30.72079	13:30:00	D	2.50
154	FARIDKOT	FARIDKOT	S-NPP	74.74113	30.72333	13:30:00	D	1.90
155	FARIDKOT	FARIDKOT	S-NPP	74.73765	30.73986	13:30:00	D	4.30
156	FARIDKOT	FARIDKOT	S-NPP	74.65401	30.74271	13:30:00	D	1.70
157	FARIDKOT	FARIDKOT	AQUA	74.66500	30.74600	14:05:00	D	19.70
158	FARIDKOT	FARIDKOT	S-NPP	74.65331	30.74601	13:30:00	D	1.70
159	FARIDKOT	FARIDKOT	S-NPP	74.74516	30.76399	13:30:00	D	2.60
160	FARIDKOT	FARIDKOT	AQUA	74.59800	30.77200	14:05:00	D	15.30
161	FARIDKOT	FARIDKOT	S-NPP	74.73030	30.77531	13:30:00	D	12.40
162	FARIDKOT	FARIDKOT	S-NPP	74.70950	30.77544	13:30:00	D	4.00

163	FARIDKOT	FARIDKOT	S-NPP	74.72961	30.77862	13:30:00	D	12.40
164	FARIDKOT	FARIDKOT	S-NPP	74.70531	30.79528	13:30:00	D	32.70
165	FARIDKOT	FARIDKOT	S-NPP	74.66821	30.81334	13:30:00	D	3.00
166	FARIDKOT	FARIDKOT	S-NPP	74.66207	30.82263	13:30:00	D	1.20
167	FARIDKOT	JAITO	S-NPP	74.82047	30.39990	13:30:00	D	5.40
168	FARIDKOT	JAITO	S-NPP	74.81577	30.40257	13:30:00	D	6.10
169	FARIDKOT	JAITO	S-NPP	74.84506	30.42085	13:30:00	D	12.40
170	FARIDKOT	JAITO	S-NPP	74.85169	30.42872	13:30:00	D	1.70
171	FARIDKOT	JAITO	S-NPP	74.84631	30.43471	13:30:00	D	3.90
172	FARIDKOT	JAITO	S-NPP	74.81039	30.48991	13:30:00	D	5.60
173	FARIDKOT	JAITO	S-NPP	74.81439	30.49055	13:30:00	D	5.60
174	FARIDKOT	JAITO	S-NPP	74.80969	30.49322	13:30:00	D	5.60
175	FARIDKOT	JAITO	S-NPP	74.81371	30.49385	13:30:00	D	5.60
176	FATEHGARH SAHIB	ALMOH	S-NPP	76.19485	30.56487	13:30:00	D	6.20
177	FATEHGARH SAHIB	ALMOH	S-NPP	76.29078	30.58229	13:30:00	D	9.30
178	FATEHGARH SAHIB	ALMOH	S-NPP	76.11545	30.59065	13:30:00	D	2.30
179	FATEHGARH SAHIB	ALMOH	S-NPP	76.30127	30.63497	13:30:00	D	6.70
180	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	76.47725	30.67083	13:30:00	D	1.60
181	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	76.45101	30.67727	13:30:00	D	4.70
182	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	76.47874	30.68472	13:30:00	D	2.00
183	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	76.46603	30.68868	13:30:00	D	3.20
184	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	76.43039	30.70063	13:30:00	D	5.80
185	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	76.38800	30.70500	14:05:00	D	11.80
186	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	76.41908	30.71609	13:30:00	D	2.40
187	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.45098	30.45408	13:30:00	D	16.80
188	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.50539	30.58945	13:30:00	D	2.50
189	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.50816	30.59668	13:30:00	D	1.80
190	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.36015	30.60944	13:30:00	D	9.20
191	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.46999	30.62194	13:30:00	D	6.20
192	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.37585	30.63561	13:30:00	D	1.10
193	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	76.47959	30.63700	13:30:00	D	1.60
194	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.29792	30.71898	13:30:00	D	6.00
195	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.30196	30.71957	13:30:00	D	6.00

196	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.26935	30.78184	13:30:00	D	2.60
197	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.32890	30.81778	13:30:00	D	14.80
198	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.29395	30.82635	13:30:00	D	7.50
199	FAZILKA	ABOHAR	S-NPP	74.04842	30.04125	13:30:00	D	2.80
200	FAZILKA	ABOHAR	S-NPP	74.04357	30.04392	13:30:00	D	3.60
201	FAZILKA	ABOHAR	S-NPP	74.11487	30.04870	13:30:00	D	4.80
202	FAZILKA	ABOHAR	S-NPP	74.11414	30.05204	13:30:00	D	13.50
203	FAZILKA	ABOHAR	AQUA	74.29500	30.12200	14:05:00	D	12.60
204	FAZILKA	ABOHAR	AQUA	74.30900	30.12400	14:05:00	D	29.80
205	FAZILKA	FAZILKA	S-NPP	74.04071	30.19739	13:30:00	D	5.50
206	FAZILKA	FAZILKA	S-NPP	74.07163	30.21725	13:30:00	D	3.70
207	FAZILKA	FAZILKA	S-NPP	74.05230	30.22792	13:30:00	D	8.00
208	FAZILKA	FAZILKA	S-NPP	73.97475	30.27067	13:30:00	D	1.60
209	FAZILKA	FAZILKA	S-NPP	74.23392	30.30951	13:30:00	D	2.10
210	FAZILKA	FAZILKA	S-NPP	73.95058	30.36513	13:30:00	D	1.70
211	FAZILKA	FAZILKA	S-NPP	74.08036	30.37602	13:30:00	D	3.10
212	FAZILKA	FAZILKA	S-NPP	74.17819	30.43343	13:30:00	D	4.10
213	FAZILKA	FAZILKA	S-NPP	74.18091	30.44217	13:30:00	D	2.80
214	FAZILKA	FAZILKA	S-NPP	74.14603	30.44681	13:30:00	D	5.30
215	FAZILKA	FAZILKA	S-NPP	74.20949	30.44685	13:30:00	D	3.10
216	FAZILKA	FAZILKA	S-NPP	74.19172	30.45084	13:30:00	D	2.10
217	FAZILKA	JALALABAD	S-NPP	74.28719	30.49743	13:30:00	D	10.00
218	FAZILKA	JALALABAD	S-NPP	74.28646	30.50075	13:30:00	D	4.40
219	FAZILKA	JALALABAD	S-NPP	74.26467	30.50411	13:30:00	D	2.50
220	FAZILKA	JALALABAD	S-NPP	74.29724	30.50939	13:30:00	D	7.40
221	FAZILKA	JALALABAD	S-NPP	74.25773	30.51677	13:30:00	D	4.20
222	FAZILKA	JALALABAD	S-NPP	74.13577	30.57476	13:30:00	D	9.80
223	FAZILKA	JALALABAD	S-NPP	74.30591	30.58867	13:30:00	D	3.20
224	FAZILKA	JALALABAD	S-NPP	74.32552	30.59528	13:30:00	D	8.60
225	FAZILKA	JALALABAD	S-NPP	74.17089	30.60809	13:30:00	D	2.70
226	FAZILKA	JALALABAD	S-NPP	74.15718	30.61276	13:30:00	D	3.30
227	FAZILKA	JALALABAD	AQUA	74.24300	30.62200	14:05:00	D	9.00
228	FAZILKA	JALALABAD	S-NPP	74.32172	30.63251	13:30:00	D	3.60

229	FAZILKA	JALALABAD	S-NPP	74.25780	30.63596	13:30:00	D	1.40
230	FAZILKA	JALALABAD	S-NPP	74.19156	30.64937	13:30:00	D	4.40
231	FAZILKA	JALALABAD	S-NPP	74.22351	30.65797	13:30:00	D	2.60
232	FAZILKA	JALALABAD	S-NPP	74.39532	30.66152	13:30:00	D	2.40
233	FAZILKA	JALALABAD	S-NPP	74.36598	30.68087	13:30:00	D	4.70
234	FAZILKA	JALALABAD	S-NPP	74.36526	30.68419	13:30:00	D	8.80
235	FAZILKA	JALALABAD	S-NPP	74.26728	30.69087	13:30:00	D	59.00
236	FAZILKA	JALALABAD	S-NPP	74.27135	30.69153	13:30:00	D	59.00
237	FAZILKA	JALALABAD	S-NPP	74.23253	30.69556	13:30:00	D	5.60
238	FAZILKA	JALALABAD	S-NPP	74.23661	30.69622	13:30:00	D	5.60
239	FAZILKA	JALALABAD	S-NPP	74.28214	30.70016	13:30:00	D	2.30
240	FAZILKA	JALALABAD	S-NPP	74.35603	30.70867	13:30:00	D	1.20
241	FAZILKA	JALALABAD	AQUA	74.46000	30.75700	14:05:00	D	18.60
242	FAZILKA	JALALABAD	AQUA	74.41300	30.76300	14:05:00	D	15.50
243	FAZILKA	JALALABAD	S-NPP	74.41434	30.76955	13:30:00	D	2.20
244	FIROZPUR	FIROZPUR	S-NPP	74.91114	30.74318	13:30:00	D	11.80
245	FIROZPUR	FIROZPUR	S-NPP	74.86771	30.77307	13:30:00	D	3.10
246	FIROZPUR	FIROZPUR	S-NPP	74.86701	30.77637	13:30:00	D	3.20
247	FIROZPUR	FIROZPUR	S-NPP	74.51292	30.77844	13:30:00	D	2.30
248	FIROZPUR	FIROZPUR	S-NPP	74.51697	30.77909	13:30:00	D	8.20
249	FIROZPUR	FIROZPUR	AQUA	74.47200	30.78000	14:05:00	D	21.40
250	FIROZPUR	FIROZPUR	AQUA	74.48700	30.78200	14:05:00	D	14.70
251	FIROZPUR	FIROZPUR	S-NPP	74.46751	30.79519	13:30:00	D	9.20
252	FIROZPUR	FIROZPUR	S-NPP	74.44654	30.79528	13:30:00	D	5.70
253	FIROZPUR	FIROZPUR	AQUA	74.55300	30.81500	14:05:00	D	16.40
254	FIROZPUR	FIROZPUR	AQUA	74.56900	30.81700	14:05:00	D	34.60
255	FIROZPUR	FIROZPUR	S-NPP	74.75883	30.81738	13:30:00	D	2.20
256	FIROZPUR	FIROZPUR	AQUA	74.55200	30.82600	14:05:00	D	11.70
257	FIROZPUR	FIROZPUR	S-NPP	74.34457	30.82603	13:30:00	D	3.70
258	FIROZPUR	FIROZPUR	S-NPP	74.44072	30.82776	13:30:00	D	7.50
259	FIROZPUR	FIROZPUR	S-NPP	74.47311	30.83295	13:30:00	D	3.00
260	FIROZPUR	FIROZPUR	AQUA	74.53500	30.83500	14:05:00	D	32.20
261	FIROZPUR	FIROZPUR	S-NPP	74.33836	30.83533	13:30:00	D	2.80

262	FIROZPUR	FIROZPUR	AQUA	74.55000	30.83700	14:05:00	D	47.00
263	FIROZPUR	FIROZPUR	S-NPP	74.86190	30.84038	13:30:00	D	4.80
264	FIROZPUR	FIROZPUR	S-NPP	74.39855	30.84844	13:30:00	D	17.30
265	FIROZPUR	FIROZPUR	S-NPP	74.40261	30.84909	13:30:00	D	6.20
266	FIROZPUR	FIROZPUR	AQUA	74.78700	30.85100	14:05:00	D	15.10
267	FIROZPUR	FIROZPUR	S-NPP	74.39784	30.85175	13:30:00	D	5.10
268	FIROZPUR	FIROZPUR	S-NPP	74.40190	30.85241	13:30:00	D	3.40
269	FIROZPUR	FIROZPUR	S-NPP	74.40788	30.86366	13:30:00	D	6.60
270	FIROZPUR	FIROZPUR	S-NPP	74.40717	30.86697	13:30:00	D	4.00
271	FIROZPUR	FIROZPUR	S-NPP	74.83959	30.86759	13:30:00	D	5.20
272	FIROZPUR	FIROZPUR	AQUA	74.70300	30.87500	14:05:00	D	24.80
273	FIROZPUR	FIROZPUR	S-NPP	74.61030	30.87537	13:30:00	D	3.60
274	FIROZPUR	FIROZPUR	AQUA	74.42000	30.87700	14:05:00	D	13.60
275	FIROZPUR	FIROZPUR	AQUA	74.41400	30.88000	14:05:00	D	24.30
276	FIROZPUR	FIROZPUR	AQUA	74.67000	30.88300	14:05:00	D	21.30
277	FIROZPUR	FIROZPUR	AQUA	74.68600	30.88400	14:05:00	D	24.70
278	FIROZPUR	FIROZPUR	S-NPP	74.59398	30.89330	13:30:00	D	3.80
279	FIROZPUR	FIROZPUR	S-NPP	74.74254	30.89969	13:30:00	D	8.00
280	FIROZPUR	FIROZPUR	S-NPP	74.68268	30.90733	13:30:00	D	10.50
281	FIROZPUR	FIROZPUR	S-NPP	74.68198	30.91064	13:30:00	D	9.40
282	FIROZPUR	FIROZPUR	S-NPP	74.52087	30.92278	13:30:00	D	3.20
283	FIROZPUR	FIROZPUR	S-NPP	74.52491	30.92342	13:30:00	D	3.20
284	FIROZPUR	FIROZPUR	S-NPP	74.59502	30.92767	13:30:00	D	10.80
285	FIROZPUR	FIROZPUR	S-NPP	74.45712	30.92849	13:30:00	D	1.70
286	FIROZPUR	FIROZPUR	S-NPP	74.50639	30.93295	13:30:00	D	3.60
287	FIROZPUR	FIROZPUR	S-NPP	74.56866	30.93377	13:30:00	D	3.30
288	FIROZPUR	FIROZPUR	AQUA	74.73500	30.94700	14:05:00	D	37.30
289	FIROZPUR	FIROZPUR	AQUA	74.46600	30.95100	14:05:00	D	13.60
290	FIROZPUR	FIROZPUR	S-NPP	74.52307	30.95274	13:30:00	D	2.20
291	FIROZPUR	FIROZPUR	S-NPP	74.52237	30.95604	13:30:00	D	2.20
292	FIROZPUR	FIROZPUR	S-NPP	74.80116	30.95668	13:30:00	D	4.40
293	FIROZPUR	FIROZPUR	S-NPP	74.57227	30.95715	13:30:00	D	6.10
294	FIROZPUR	FIROZPUR	AQUA	74.52700	30.95800	14:05:00	D	10.50

295	FIROZPUR	FIROZPUR	S-NPP	74.52570	30.96000	13:30:00	D	1.00
296	FIROZPUR	FIROZPUR	AQUA	74.63600	30.96900	14:05:00	D	39.60
297	FIROZPUR	FIROZPUR	S-NPP	74.76851	30.97454	13:30:00	D	3.40
298	FIROZPUR	FIROZPUR	S-NPP	74.68924	30.97569	13:30:00	D	2.50
299	FIROZPUR	FIROZPUR	S-NPP	74.63526	30.99449	13:30:00	D	3.00
300	FIROZPUR	FIROZPUR	S-NPP	74.63860	30.99844	13:30:00	D	2.90
301	FIROZPUR	FIROZPUR	S-NPP	74.76697	31.00160	13:30:00	D	9.30
302	FIROZPUR	FIROZPUR	S-NPP	74.57646	31.01596	13:30:00	D	7.10
303	FIROZPUR	FIROZPUR	S-NPP	74.73653	31.02754	13:30:00	D	2.70
304	FIROZPUR	FIROZPUR	S-NPP	74.62350	31.03024	13:30:00	D	6.40
305	FIROZPUR	FIROZPUR	AQUA	74.63500	31.03900	14:05:00	D	14.00
306	FIROZPUR	FIROZPUR	S-NPP	74.63683	31.04601	13:30:00	D	6.30
307	FIROZPUR	FIROZPUR	S-NPP	74.68523	31.05362	13:30:00	D	2.10
308	FIROZPUR	FIROZPUR	S-NPP	74.73428	31.05791	13:30:00	D	7.80
309	FIROZPUR	FIROZPUR	S-NPP	74.73358	31.06121	13:30:00	D	22.70
310	FIROZPUR	FIROZPUR	S-NPP	74.78875	31.11715	13:30:00	D	2.00
311	FIROZPUR	ZIRA	S-NPP	75.01017	30.88392	13:30:00	D	0.90
312	FIROZPUR	ZIRA	S-NPP	75.00948	30.88723	13:30:00	D	4.80
313	FIROZPUR	ZIRA	S-NPP	75.30712	30.90585	13:30:00	D	3.00
314	FIROZPUR	ZIRA	S-NPP	75.35640	30.94739	13:30:00	D	8.00
315	FIROZPUR	ZIRA	S-NPP	75.35072	30.95993	13:30:00	D	3.10
316	FIROZPUR	ZIRA	S-NPP	75.35472	30.96054	13:30:00	D	3.10
317	FIROZPUR	ZIRA	AQUA	74.88000	30.96200	14:05:00	D	42.70
318	FIROZPUR	ZIRA	S-NPP	74.86076	30.96941	13:30:00	D	2.00
319	FIROZPUR	ZIRA	S-NPP	74.99509	31.00053	13:30:00	D	8.00
320	FIROZPUR	ZIRA	S-NPP	75.00391	31.03860	13:30:00	D	3.50
321	FIROZPUR	ZIRA	AQUA	75.00200	31.04200	14:05:00	D	17.30
322	FIROZPUR	ZIRA	AQUA	74.99500	31.04300	14:05:00	D	15.00
323	FIROZPUR	ZIRA	S-NPP	74.95699	31.04494	13:30:00	D	2.70
324	FIROZPUR	ZIRA	S-NPP	75.00253	31.04520	13:30:00	D	4.00
325	FIROZPUR	ZIRA	S-NPP	74.95631	31.04824	13:30:00	D	5.60
326	FIROZPUR	ZIRA	S-NPP	74.98016	31.09282	13:30:00	D	10.10
327	FIROZPUR	ZIRA	S-NPP	74.88416	31.09798	13:30:00	D	4.50

328	FIROZPUR	ZIRA	S-NPP	74.89551	31.10316	13:30:00	D	9.00
329	FIROZPUR	ZIRA	S-NPP	74.90799	31.14259	13:30:00	D	3.10
330	FIROZPUR	ZIRA	S-NPP	74.91201	31.14322	13:30:00	D	3.10
331	FIROZPUR	ZIRA	S-NPP	74.92670	31.15232	13:30:00	D	7.30
332	FIROZPUR	ZIRA	AQUA	74.89000	31.15600	14:05:00	D	14.10
333	GURDASPUR	BATALA	S-NPP	75.41507	31.60638	13:30:00	D	3.40
334	GURDASPUR	BATALA	AQUA	75.40300	31.62800	14:05:00	D	20.10
335	GURDASPUR	BATALA	AQUA	75.39200	31.62900	14:05:00	D	14.70
336	GURDASPUR	BATALA	S-NPP	75.34292	31.63600	13:30:00	D	16.90
337	GURDASPUR	BATALA	S-NPP	75.39202	31.64000	13:30:00	D	1.80
338	GURDASPUR	BATALA	S-NPP	75.35031	31.64052	13:30:00	D	2.20
339	GURDASPUR	BATALA	AQUA	75.43500	31.66600	14:05:00	D	13.50
340	GURDASPUR	BATALA	S-NPP	75.36372	31.67655	13:30:00	D	2.70
341	GURDASPUR	BATALA	S-NPP	75.42496	31.68237	13:30:00	D	2.50
342	GURDASPUR	BATALA	S-NPP	75.36572	31.68705	13:30:00	D	2.70
343	GURDASPUR	BATALA	S-NPP	75.22778	31.68998	13:30:00	D	7.90
344	GURDASPUR	BATALA	S-NPP	75.23182	31.69060	13:30:00	D	7.90
345	GURDASPUR	BATALA	S-NPP	75.22742	31.69265	13:30:00	D	5.90
346	GURDASPUR	BATALA	S-NPP	75.23146	31.69326	13:30:00	D	5.90
347	GURDASPUR	BATALA	S-NPP	75.25562	31.71733	13:30:00	D	3.50
348	GURDASPUR	BATALA	S-NPP	75.45524	31.71753	13:30:00	D	4.60
349	GURDASPUR	BATALA	S-NPP	75.28251	31.72821	13:30:00	D	4.50
350	GURDASPUR	BATALA	S-NPP	75.39899	31.72876	13:30:00	D	7.80
351	GURDASPUR	BATALA	S-NPP	75.41111	31.73058	13:30:00	D	2.60
352	GURDASPUR	BATALA	S-NPP	75.44749	31.73604	13:30:00	D	3.50
353	GURDASPUR	BATALA	S-NPP	75.45153	31.73664	13:30:00	D	2.50
354	GURDASPUR	BATALA	S-NPP	75.24680	31.73981	13:30:00	D	5.20
355	GURDASPUR	BATALA	S-NPP	75.33836	31.74004	13:30:00	D	4.40
356	GURDASPUR	BATALA	S-NPP	75.35789	31.74639	13:30:00	D	2.70
357	GURDASPUR	BATALA	S-NPP	75.37808	31.74943	13:30:00	D	3.70
358	GURDASPUR	BATALA	S-NPP	75.34777	31.75507	13:30:00	D	6.20
359	GURDASPUR	BATALA	S-NPP	75.34709	31.75837	13:30:00	D	2.80
360	GURDASPUR	BATALA	S-NPP	75.20432	31.76397	13:30:00	D	3.80

361	GURDASPUR	BATALA	AQUA	75.12000	31.77100	14:05:00	D	20.90
362	GURDASPUR	BATALA	AQUA	75.23400	31.77100	14:05:00	D	14.70
363	GURDASPUR	BATALA	AQUA	75.12700	31.77200	14:05:00	D	25.60
364	GURDASPUR	BATALA	S-NPP	75.22247	31.77693	13:30:00	D	2.70
365	GURDASPUR	BATALA	AQUA	75.30500	31.77800	14:05:00	D	12.50
366	GURDASPUR	BATALA	AQUA	75.22600	31.78100	14:05:00	D	31.60
367	GURDASPUR	BATALA	S-NPP	75.50065	31.78141	13:30:00	D	3.30
368	GURDASPUR	BATALA	S-NPP	75.39624	31.78277	13:30:00	D	2.10
369	GURDASPUR	BATALA	AQUA	75.18900	31.78900	14:05:00	D	14.80
370	GURDASPUR	BATALA	S-NPP	75.37804	31.79024	13:30:00	D	22.10
371	GURDASPUR	BATALA	S-NPP	75.10767	31.81028	13:30:00	D	3.30
372	GURDASPUR	BATALA	S-NPP	75.35239	31.81359	13:30:00	D	3.90
373	GURDASPUR	BATALA	S-NPP	75.27942	31.82615	13:30:00	D	3.20
374	GURDASPUR	BATALA	S-NPP	75.31176	31.83102	13:30:00	D	2.00
375	GURDASPUR	BATALA	S-NPP	75.31513	31.83493	13:30:00	D	1.80
376	GURDASPUR	BATALA	S-NPP	75.15134	31.84074	13:30:00	D	3.30
377	GURDASPUR	BATALA	S-NPP	75.13647	31.85209	13:30:00	D	6.70
378	GURDASPUR	BATALA	AQUA	75.02100	31.85300	14:05:00	D	9.90
379	GURDASPUR	BATALA	AQUA	75.03300	31.85300	14:05:00	D	12.80
380	GURDASPUR	BATALA	S-NPP	75.26180	31.87110	13:30:00	D	3.00
381	GURDASPUR	BATALA	S-NPP	75.11008	31.87869	13:30:00	D	5.80
382	GURDASPUR	BATALA	S-NPP	75.01868	31.88112	13:30:00	D	9.30
383	GURDASPUR	BATALA	S-NPP	75.12625	31.88115	13:30:00	D	3.40
384	GURDASPUR	BATALA	S-NPP	75.07568	31.88365	13:30:00	D	8.10
385	GURDASPUR	BATALA	S-NPP	74.93033	31.88457	13:30:00	D	2.80
386	GURDASPUR	DERA BABA NANAK	S-NPP	75.12769	31.93857	13:30:00	D	3.50
387	GURDASPUR	DERA BABA NANAK	S-NPP	75.07976	31.94828	13:30:00	D	3.90
388	GURDASPUR	DERA BABA NANAK	S-NPP	75.11883	31.96104	13:30:00	D	1.70
389	GURDASPUR	DERA BABA NANAK	S-NPP	74.98315	31.97096	13:30:00	D	2.80
390	GURDASPUR	DERA BABA NANAK	S-NPP	75.11806	31.98473	13:30:00	D	4.20
391	GURDASPUR	DERA BABA NANAK	AQUA	75.09600	31.98500	14:05:00	D	13.00
392	GURDASPUR	DERA BABA NANAK	S-NPP	74.98544	32.00173	13:30:00	D	2.50
393	GURDASPUR	DERA BABA NANAK	AQUA	75.10900	32.02100	14:05:00	D	25.40

394	GURDASPUR	DERA BABA NANAK	S-NPP	75.09131	32.03489	13:30:00	D	5.60
395	GURDASPUR	DERA BABA NANAK	S-NPP	74.99472	32.03717	13:30:00	D	2.80
396	GURDASPUR	DERA BABA NANAK	S-NPP	75.09528	32.05590	13:30:00	D	2.10
397	GURDASPUR	GURDASPUR	S-NPP	75.44475	31.83088	13:30:00	D	28.00
398	GURDASPUR	GURDASPUR	S-NPP	75.54590	31.84600	13:30:00	D	1.80
399	GURDASPUR	GURDASPUR	S-NPP	75.37309	31.85726	13:30:00	D	1.50
400	GURDASPUR	GURDASPUR	S-NPP	75.54713	31.86287	13:30:00	D	4.20
401	GURDASPUR	GURDASPUR	S-NPP	75.30496	31.86401	13:30:00	D	3.10
402	GURDASPUR	GURDASPUR	S-NPP	75.30901	31.86462	13:30:00	D	11.40
403	GURDASPUR	GURDASPUR	S-NPP	75.32315	31.87696	13:30:00	D	5.10
404	GURDASPUR	GURDASPUR	S-NPP	75.41286	31.88704	13:30:00	D	3.70
405	GURDASPUR	GURDASPUR	S-NPP	75.51812	31.90277	13:30:00	D	4.90
406	GURDASPUR	GURDASPUR	S-NPP	75.36359	31.90346	13:30:00	D	9.30
407	GURDASPUR	GURDASPUR	S-NPP	75.29611	31.90689	13:30:00	D	5.80
408	GURDASPUR	GURDASPUR	S-NPP	75.29571	31.93339	13:30:00	D	3.10
409	GURDASPUR	GURDASPUR	S-NPP	75.22889	31.93351	13:30:00	D	6.20
410	GURDASPUR	GURDASPUR	S-NPP	75.23293	31.93412	13:30:00	D	6.20
411	GURDASPUR	GURDASPUR	S-NPP	75.42726	31.94293	13:30:00	D	4.70
412	GURDASPUR	GURDASPUR	S-NPP	75.40573	31.94650	13:30:00	D	3.80
413	GURDASPUR	GURDASPUR	S-NPP	75.29702	31.94719	13:30:00	D	3.40
414	GURDASPUR	GURDASPUR	S-NPP	75.38071	31.98698	13:30:00	D	3.30
415	GURDASPUR	GURDASPUR	S-NPP	75.19941	32.01727	13:30:00	D	2.20
416	GURDASPUR	GURDASPUR	S-NPP	75.26085	32.02313	13:30:00	D	7.70
417	GURDASPUR	GURDASPUR	S-NPP	75.28516	32.02679	13:30:00	D	8.20
418	GURDASPUR	GURDASPUR	S-NPP	75.23381	32.03267	13:30:00	D	1.50
419	GURDASPUR	GURDASPUR	S-NPP	75.14869	32.04020	13:30:00	D	1.30
420	GURDASPUR	GURDASPUR	S-NPP	75.21082	32.04280	13:30:00	D	3.10
421	GURDASPUR	GURDASPUR	S-NPP	75.30539	32.05024	13:30:00	D	3.70
422	GURDASPUR	GURDASPUR	S-NPP	75.29660	32.05233	13:30:00	D	3.30
423	GURDASPUR	GURDASPUR	S-NPP	75.28645	32.06100	13:30:00	D	4.00
424	GURDASPUR	GURDASPUR	S-NPP	75.21955	32.06113	13:30:00	D	6.10
425	GURDASPUR	GURDASPUR	S-NPP	75.23171	32.06296	13:30:00	D	4.50
426	GURDASPUR	GURDASPUR	AQUA	75.22300	32.06400	14:05:00	D	19.20

427	GURDASPUR	GURDASPUR	S-NPP	75.28577	32.06430	13:30:00	D	4.00
428	GURDASPUR	GURDASPUR	S-NPP	75.23103	32.06626	13:30:00	D	3.80
429	GURDASPUR	GURDASPUR	S-NPP	75.24318	32.06809	13:30:00	D	10.50
430	GURDASPUR	GURDASPUR	S-NPP	75.24724	32.06871	13:30:00	D	10.50
431	GURDASPUR	GURDASPUR	S-NPP	75.25535	32.06993	13:30:00	D	9.60
432	GURDASPUR	GURDASPUR	S-NPP	75.25939	32.07053	13:30:00	D	5.90
433	GURDASPUR	GURDASPUR	S-NPP	75.24250	32.07139	13:30:00	D	10.50
434	GURDASPUR	GURDASPUR	S-NPP	75.35946	32.07196	13:30:00	D	3.50
435	GURDASPUR	GURDASPUR	S-NPP	75.26277	32.07444	13:30:00	D	5.90
436	GURDASPUR	GURDASPUR	S-NPP	75.35268	32.08455	13:30:00	D	6.90
437	GURDASPUR	GURDASPUR	S-NPP	75.36485	32.08638	13:30:00	D	9.50
438	GURDASPUR	GURDASPUR	AQUA	75.34800	32.08800	14:05:00	D	12.20
439	GURDASPUR	GURDASPUR	S-NPP	75.42161	32.09486	13:30:00	D	2.50
440	GURDASPUR	GURDASPUR	S-NPP	75.33372	32.09532	13:30:00	D	2.90
441	GURDASPUR	GURDASPUR	S-NPP	75.26678	32.09546	13:30:00	D	2.10
442	GURDASPUR	GURDASPUR	S-NPP	75.32088	32.09679	13:30:00	D	1.50
443	HOSHIARPUR	DASUYA	AQUA	75.57900	31.61200	14:05:00	D	14.70
444	HOSHIARPUR	DASUYA	S-NPP	75.48892	31.65455	13:30:00	D	3.60
445	HOSHIARPUR	DASUYA	S-NPP	75.55822	31.66151	13:30:00	D	3.10
446	HOSHIARPUR	DASUYA	S-NPP	75.55754	31.66481	13:30:00	D	3.10
447	HOSHIARPUR	DASUYA	S-NPP	75.59798	31.67083	13:30:00	D	5.70
448	HOSHIARPUR	DASUYA	S-NPP	75.60202	31.67143	13:30:00	D	5.70
449	HOSHIARPUR	DASUYA	S-NPP	75.59529	31.68404	13:30:00	D	14.20
450	HOSHIARPUR	DASUYA	AQUA	75.56900	31.73400	14:05:00	D	26.80
451	HOSHIARPUR	DASUYA	S-NPP	75.57109	31.74167	13:30:00	D	6.50
452	HOSHIARPUR	DASUYA	S-NPP	75.57077	31.74424	13:30:00	D	3.10
453	HOSHIARPUR	DASUYA	S-NPP	75.56066	31.75294	13:30:00	D	10.80
454	HOSHIARPUR	DASUYA	S-NPP	75.58090	31.75595	13:30:00	D	8.60
455	HOSHIARPUR	GARHSHANKAR	S-NPP	76.07606	31.26820	13:30:00	D	1.80
456	HOSHIARPUR	GARHSHANKAR	S-NPP	75.98524	31.32920	13:30:00	D	1.70
457	HOSHIARPUR	GARHSHANKAR	S-NPP	76.02991	31.35620	13:30:00	D	4.80
458	HOSHIARPUR	GARHSHANKAR	S-NPP	75.94565	31.36954	02:12:00	N	1.30
459	HOSHIARPUR	HOSHIARPUR	S-NPP	75.77929	31.59606	13:30:00	D	4.00

460	HOSHIARPUR	MUKERIAN	AQUA	75.56600	31.95100	14:05:00	D	14.60
461	JALANDHAR	JALANDHAR II	S-NPP	75.48360	31.36611	13:30:00	D	2.30
462	JALANDHAR	JALANDHAR II	S-NPP	75.50148	31.42632	13:30:00	D	13.40
463	JALANDHAR	JALANDHAR II	S-NPP	75.58336	31.47260	13:30:00	D	4.20
464	JALANDHAR	JALANDHAR II	S-NPP	75.60423	31.49272	13:30:00	D	36.00
465	JALANDHAR	JALANDHAR II	S-NPP	75.62964	31.59430	13:30:00	D	1.80
466	JALANDHAR	NAKODAR	S-NPP	75.50291	30.98303	13:30:00	D	1.90
467	JALANDHAR	NAKODAR	S-NPP	75.44013	30.98712	13:30:00	D	2.40
468	JALANDHAR	NAKODAR	S-NPP	75.49356	30.98841	13:30:00	D	5.10
469	JALANDHAR	NAKODAR	S-NPP	75.50019	31.07783	13:30:00	D	6.60
470	JALANDHAR	NAKODAR	S-NPP	75.57537	31.13606	13:30:00	D	3.40
471	JALANDHAR	NAKODAR	S-NPP	75.45333	31.18880	13:30:00	D	5.20
472	JALANDHAR	PHILLAUR	S-NPP	75.83538	31.00934	13:30:00	D	4.10
473	JALANDHAR	PHILLAUR	S-NPP	75.52895	31.03796	13:30:00	D	4.40
474	JALANDHAR	PHILLAUR	S-NPP	75.63992	31.04106	13:30:00	D	6.60
475	JALANDHAR	PHILLAUR	S-NPP	75.66705	31.11239	13:30:00	D	4.40
476	JALANDHAR	PHILLAUR	S-NPP	75.82046	31.13180	13:30:00	D	4.50
477	JALANDHAR	SHAHKOT	S-NPP	75.40405	31.00205	13:30:00	D	3.20
478	JALANDHAR	SHAHKOT	S-NPP	75.34785	31.05471	13:30:00	D	18.00
479	JALANDHAR	SHAHKOT	S-NPP	75.20638	31.08004	13:30:00	D	12.30
480	JALANDHAR	SHAHKOT	S-NPP	75.21493	31.11878	13:30:00	D	3.70
481	KAPURTHALA	BHOLATH	S-NPP	75.46085	31.52484	13:30:00	D	21.60
482	KAPURTHALA	BHOLATH	S-NPP	75.46487	31.52545	13:30:00	D	21.60
483	KAPURTHALA	BHOLATH	S-NPP	75.46017	31.52814	13:30:00	D	21.60
484	KAPURTHALA	BHOLATH	S-NPP	75.46420	31.52875	13:30:00	D	21.60
485	KAPURTHALA	BHOLATH	S-NPP	75.44269	31.53232	13:30:00	D	10.30
486	KAPURTHALA	BHOLATH	AQUA	75.47700	31.54300	14:05:00	D	22.80
487	KAPURTHALA	BHOLATH	S-NPP	75.47697	31.54767	13:30:00	D	3.80
488	KAPURTHALA	BHOLATH	AQUA	75.48200	31.54800	14:05:00	D	14.20
489	KAPURTHALA	BHOLATH	AQUA	75.47500	31.55500	14:05:00	D	13.40
490	KAPURTHALA	BHOLATH	S-NPP	75.54079	31.56063	13:30:00	D	2.30
491	KAPURTHALA	BHOLATH	S-NPP	75.54011	31.56393	13:30:00	D	2.40
492	KAPURTHALA	BHOLATH	TERRA	75.54800	31.56400	10:50:00	D	27.80

493	KAPURTHALA	BHOLATH	S-NPP	75.43527	31.56861	13:30:00	D	10.50
494	KAPURTHALA	BHOLATH	S-NPP	75.55558	31.56965	13:30:00	D	2.50
495	KAPURTHALA	BHOLATH	S-NPP	75.51664	31.57743	13:30:00	D	5.10
496	KAPURTHALA	BHOLATH	S-NPP	75.40366	31.58085	13:30:00	D	1.30
497	KAPURTHALA	BHOLATH	S-NPP	75.54482	31.58164	13:30:00	D	2.90
498	KAPURTHALA	BHOLATH	S-NPP	75.55762	31.60056	13:30:00	D	6.60
499	KAPURTHALA	BHOLATH	S-NPP	75.55627	31.60716	13:30:00	D	2.60
500	KAPURTHALA	BHOLATH	S-NPP	75.56840	31.60897	13:30:00	D	7.30
501	KAPURTHALA	BHOLATH	S-NPP	75.47561	31.61549	13:30:00	D	5.50
502	KAPURTHALA	BHOLATH	S-NPP	75.43375	31.61907	13:30:00	D	5.10
503	KAPURTHALA	BHOLATH	S-NPP	75.51187	31.62092	13:30:00	D	3.60
504	KAPURTHALA	BHOLATH	S-NPP	75.45393	31.62210	13:30:00	D	5.20
505	KAPURTHALA	BHOLATH	S-NPP	75.43308	31.62237	13:30:00	D	4.80
506	KAPURTHALA	BHOLATH	S-NPP	75.48690	31.62364	13:30:00	D	1.90
507	KAPURTHALA	BHOLATH	AQUA	75.49600	31.62500	14:05:00	D	35.10
508	KAPURTHALA	BHOLATH	S-NPP	75.50299	31.62605	13:30:00	D	1.90
509	KAPURTHALA	BHOLATH	AQUA	75.51400	31.62700	14:05:00	D	26.30
510	KAPURTHALA	BHOLATH	AQUA	75.50300	31.62800	14:05:00	D	69.40
511	KAPURTHALA	KAPURTHALA	S-NPP	75.43584	31.27457	13:30:00	D	2.70
512	KAPURTHALA	KAPURTHALA	S-NPP	75.36303	31.28669	13:30:00	D	27.10
513	KAPURTHALA	KAPURTHALA	S-NPP	75.32373	31.38250	13:30:00	D	2.00
514	KAPURTHALA	KAPURTHALA	S-NPP	75.32703	31.40681	13:30:00	D	20.90
515	KAPURTHALA	KAPURTHALA	S-NPP	75.24987	31.41889	13:30:00	D	1.80
516	KAPURTHALA	KAPURTHALA	S-NPP	75.23576	31.42694	13:30:00	D	3.80
517	KAPURTHALA	KAPURTHALA	S-NPP	75.32355	31.46409	13:30:00	D	6.70
518	KAPURTHALA	KAPURTHALA	S-NPP	75.36476	31.52737	13:30:00	D	2.10
519	KAPURTHALA	KAPURTHALA	S-NPP	75.41380	31.53137	13:30:00	D	2.80
520	KAPURTHALA	KAPURTHALA	S-NPP	75.37011	31.54178	13:30:00	D	3.70
521	KAPURTHALA	PHAGWARA	S-NPP	75.73289	31.32253	13:30:00	D	9.40
522	KAPURTHALA	PHAGWARA	S-NPP	75.75709	31.32613	13:30:00	D	2.80
523	KAPURTHALA	SULTANPUR LODHI	AQUA	75.05900	31.15000	14:05:00	D	24.10
524	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.13282	31.17736	13:30:00	D	6.40
525	KAPURTHALA	SULTANPUR LODHI	AQUA	75.15600	31.19400	14:05:00	D	11.60

526	KAPURTHALA	SULTANPUR LODHI	AQUA	75.20400	31.22200	14:05:00	D	10.40
527	KAPURTHALA	SULTANPUR LODHI	AQUA	75.22200	31.22400	14:05:00	D	9.50
528	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.13143	31.24454	13:30:00	D	4.90
529	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.13075	31.24783	13:30:00	D	4.90
530	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.24834	31.25970	13:30:00	D	4.60
531	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.15409	31.27523	13:30:00	D	9.80
532	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.10246	31.28432	13:30:00	D	11.20
533	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.18478	31.30716	13:30:00	D	15.90
534	KAPURTHALA	SULTANPUR LODHI	AQUA	75.19100	31.35700	14:05:00	D	10.20
535	LUDHIANA	JAGRAON	S-NPP	75.55711	30.79149	13:30:00	D	2.80
536	LUDHIANA	JAGRAON	S-NPP	75.39874	30.98764	13:30:00	D	1.60
537	LUDHIANA	KHANNA	S-NPP	76.20502	30.68496	13:30:00	D	1.80
538	LUDHIANA	KHANNA	S-NPP	76.22949	30.72945	13:30:00	D	1.60
539	LUDHIANA	LUDHIANA EAST	S-NPP	75.95525	30.90545	13:30:00	D	3.10
540	LUDHIANA	LUDHIANA WEST	S-NPP	75.84209	30.78699	13:30:00	D	1.60
541	LUDHIANA	LUDHIANA WEST	S-NPP	75.70247	30.80657	13:30:00	D	6.90
542	LUDHIANA	LUDHIANA WEST	S-NPP	75.71786	30.83268	13:30:00	D	1.50
543	LUDHIANA	RAIKOT	S-NPP	75.71688	30.64997	13:30:00	D	14.70
544	LUDHIANA	RAIKOT	S-NPP	75.47627	30.66048	13:30:00	D	2.60
545	LUDHIANA	RAIKOT	S-NPP	75.56744	30.67772	13:30:00	D	7.90
546	LUDHIANA	SAMRALA	AQUA	76.17700	30.73700	14:05:00	D	56.40
547	LUDHIANA	SAMRALA	S-NPP	76.19864	30.76131	13:30:00	D	7.80
548	LUDHIANA	SAMRALA	S-NPP	76.17186	30.77104	13:30:00	D	3.40
549	LUDHIANA	SAMRALA	S-NPP	76.10690	30.78537	13:30:00	D	3.90
550	LUDHIANA	SAMRALA	S-NPP	76.13847	30.79341	13:30:00	D	3.20
551	LUDHIANA	SAMRALA	S-NPP	76.20895	30.79350	13:30:00	D	15.50
552	LUDHIANA	SAMRALA	AQUA	76.12300	30.80000	14:05:00	D	17.20
553	LUDHIANA	SAMRALA	S-NPP	76.18214	30.80321	13:30:00	D	1.90
554	LUDHIANA	SAMRALA	S-NPP	76.24350	30.82923	13:30:00	D	1.70
555	LUDHIANA	SAMRALA	S-NPP	76.22087	30.86003	13:30:00	D	2.90
556	LUDHIANA	SAMRALA	AQUA	76.26800	30.98200	14:05:00	D	15.40
557	LUDHIANA	SAMRALA	S-NPP	76.20056	30.98815	13:30:00	D	14.30
558	MANSA	BUDHLADA	S-NPP	75.58578	29.83752	13:30:00	D	1.40

559	MANSA	BUDHLADA	S-NPP	75.58974	29.83813	13:30:00	D	2.70
560	MANSA	BUDHLADA	S-NPP	75.56662	29.87199	13:30:00	D	8.60
561	MANSA	BUDHLADA	S-NPP	75.56596	29.87529	13:30:00	D	6.20
562	MANSA	BUDHLADA	S-NPP	75.72375	29.92313	13:30:00	D	2.40
563	MANSA	SARDULGARH	S-NPP	75.27576	29.67465	13:30:00	D	2.20
564	MANSA	SARDULGARH	S-NPP	75.28764	29.67650	13:30:00	D	2.40
565	MANSA	SARDULGARH	AQUA	75.33200	29.67700	14:05:00	D	16.20
566	MANSA	SARDULGARH	S-NPP	75.27112	29.67733	13:30:00	D	2.20
567	MANSA	SARDULGARH	S-NPP	75.27508	29.67795	13:30:00	D	2.20
568	MANSA	SARDULGARH	S-NPP	75.24794	29.69076	13:30:00	D	4.00
569	MANSA	SARDULGARH	S-NPP	75.29287	29.69094	13:30:00	D	22.70
570	MANSA	SARDULGARH	S-NPP	75.21682	29.70295	13:30:00	D	2.20
571	MANSA	SARDULGARH	S-NPP	75.22079	29.70356	13:30:00	D	2.20
572	MANSA	SARDULGARH	S-NPP	75.21547	29.70955	13:30:00	D	21.70
573	MANSA	SARDULGARH	S-NPP	75.26634	29.72088	13:30:00	D	7.40
574	MANSA	SARDULGARH	S-NPP	75.26830	29.73140	13:30:00	D	2.20
575	MANSA	SARDULGARH	AQUA	75.31800	29.74300	14:05:00	D	14.00
576	MANSA	SARDULGARH	S-NPP	75.28213	29.74377	13:30:00	D	2.90
577	MANSA	SARDULGARH	S-NPP	75.21469	29.79381	13:30:00	D	33.00
578	MOGA	BAGHA PURANA	S-NPP	74.91183	30.73987	13:30:00	D	12.20
579	MOGA	MOGA	S-NPP	75.25001	30.76166	13:30:00	D	10.00
580	MOGA	MOGA	S-NPP	75.08660	30.81404	13:30:00	D	5.00
581	MOGA	MOGA	S-NPP	75.08591	30.81734	13:30:00	D	2.50
582	MOGA	NIHAL SINGH WALA	S-NPP	75.30055	30.57306	13:30:00	D	2.30
583	MUKTSAR	MALAUT	S-NPP	74.51380	29.95354	13:30:00	D	11.80
584	MUKTSAR	MALAUT	S-NPP	74.51785	29.95420	13:30:00	D	11.80
585	MUKTSAR	MALAUT	S-NPP	74.51311	29.95687	13:30:00	D	11.80
586	MUKTSAR	MALAUT	AQUA	74.49000	30.05200	14:05:00	D	21.60
587	MUKTSAR	MALAUT	S-NPP	74.39090	30.16116	13:30:00	D	36.00
588	MUKTSAR	MALAUT	S-NPP	74.36956	30.26604	13:30:00	D	1.30
589	MUKTSAR	MUKTSAR	S-NPP	74.42384	30.46611	13:30:00	D	3.90
590	PATHANKOT	PATHANKOT	S-NPP	75.39007	32.22887	13:30:00	D	3.30
591	PATIALA	NABHA	S-NPP	76.19524	30.30177	13:30:00	D	4.40

592	PATIALA	NABHA	S-NPP	76.19373	30.33126	13:30:00	D	3.40
593	PATIALA	NABHA	S-NPP	76.27387	30.42818	13:30:00	D	2.30
594	PATIALA	NABHA	S-NPP	76.28788	30.44323	13:30:00	D	1.60
595	PATIALA	NABHA	S-NPP	76.22168	30.44378	13:30:00	D	3.70
596	PATIALA	NABHA	S-NPP	76.22104	30.44710	13:30:00	D	3.40
597	PATIALA	NABHA	S-NPP	76.24577	30.44731	13:30:00	D	9.10
598	PATIALA	PATIALA	S-NPP	76.48829	30.10111	13:30:00	D	3.80
599	PATIALA	PATIALA	S-NPP	76.33633	30.11978	13:30:00	D	2.00
600	PATIALA	PATIALA	S-NPP	76.57018	30.12667	13:30:00	D	4.40
601	PATIALA	PATIALA	S-NPP	76.45191	30.14015	13:30:00	D	3.30
602	PATIALA	PATIALA	S-NPP	76.63556	30.15323	13:30:00	D	6.40
603	PATIALA	PATIALA	S-NPP	76.56895	30.15929	13:30:00	D	3.00
604	PATIALA	PATIALA	S-NPP	76.56429	30.16204	13:30:00	D	3.10
605	PATIALA	PATIALA	S-NPP	76.59590	30.17000	13:30:00	D	6.30
606	PATIALA	PATIALA	S-NPP	76.50008	30.17325	13:30:00	D	1.90
607	PATIALA	PATIALA	TERRA	76.31800	30.17700	10:50:00	D	9.10
608	PATIALA	PATIALA	S-NPP	76.65116	30.18478	13:30:00	D	2.80
609	PATIALA	PATIALA	S-NPP	76.58955	30.20326	13:30:00	D	2.30
610	PATIALA	PATIALA	S-NPP	76.56812	30.20699	13:30:00	D	7.40
611	PATIALA	PATIALA	S-NPP	76.53864	30.20955	13:30:00	D	18.90
612	PATIALA	PATIALA	S-NPP	76.46978	30.22345	13:30:00	D	4.20
613	PATIALA	PATIALA	S-NPP	76.49265	30.23360	13:30:00	D	1.20
614	PATIALA	PATIALA	S-NPP	76.51173	30.26617	13:30:00	D	4.50
615	PATIALA	PATIALA	S-NPP	76.51577	30.26675	13:30:00	D	8.90
616	PATIALA	PATIALA	S-NPP	76.23434	30.27008	13:30:00	D	1.30
617	PATIALA	PATIALA	S-NPP	76.23370	30.27339	13:30:00	D	3.10
618	PATIALA	PATIALA	S-NPP	76.51725	30.28062	13:30:00	D	2.00
619	PATIALA	PATIALA	S-NPP	76.53741	30.28353	13:30:00	D	11.80
620	PATIALA	PATIALA	S-NPP	76.58588	30.29051	13:30:00	D	2.40
621	PATIALA	PATIALA	S-NPP	76.51407	30.29723	13:30:00	D	1.60
622	PATIALA	PATIALA	S-NPP	76.43581	30.31660	13:30:00	D	1.00
623	PATIALA	PATIALA	S-NPP	76.37853	30.46663	13:30:00	D	3.10
624	PATIALA	RAJPURA	S-NPP	76.65402	30.30371	13:30:00	D	3.40

625	PATIALA	RAJPURA	S-NPP	76.64870	30.30979	13:30:00	D	3.90
626	PATIALA	RAJPURA	S-NPP	76.54040	30.31129	13:30:00	D	7.80
627	PATIALA	RAJPURA	S-NPP	76.60165	30.31670	13:30:00	D	1.90
628	PATIALA	RAJPURA	S-NPP	76.58887	30.31828	13:30:00	D	2.40
629	PATIALA	RAJPURA	S-NPP	76.73761	30.34648	13:30:00	D	3.60
630	PATIALA	RAJPURA	S-NPP	76.71478	30.35691	13:30:00	D	5.30
631	PATIALA	RAJPURA	AQUA	76.57900	30.36000	14:05:00	D	11.80
632	PATIALA	RAJPURA	S-NPP	76.52814	30.37646	13:30:00	D	5.20
633	PATIALA	RAJPURA	S-NPP	76.57793	30.37677	13:30:00	D	18.70
634	PATIALA	RAJPURA	S-NPP	76.66721	30.38773	13:30:00	D	3.30
635	PATIALA	RAJPURA	S-NPP	76.59801	30.42410	13:30:00	D	2.10
636	PATIALA	RAJPURA	S-NPP	76.56712	30.43333	13:30:00	D	1.20
637	PATIALA	RAJPURA	AQUA	76.66600	30.45800	14:05:00	D	17.50
638	PATIALA	RAJPURA	S-NPP	76.61967	30.48537	13:30:00	D	3.20
639	PATIALA	RAJPURA	S-NPP	76.49837	30.49078	13:30:00	D	6.00
640	PATIALA	RAJPURA	S-NPP	76.55849	30.50284	13:30:00	D	1.70
641	PATIALA	RAJPURA	S-NPP	76.52843	30.52928	13:30:00	D	2.50
642	PATIALA	RAJPURA	S-NPP	76.52779	30.53261	13:30:00	D	11.30
643	PATIALA	RAJPURA	S-NPP	76.53185	30.53319	13:30:00	D	16.80
644	PATIALA	RAJPURA	S-NPP	76.53526	30.53710	13:30:00	D	16.80
645	PATIALA	RAJPURA	S-NPP	76.51309	30.54416	13:30:00	D	32.50
646	PATIALA	RAJPURA	S-NPP	76.61946	30.57660	13:30:00	D	2.00
647	PATIALA	RAJPURA	S-NPP	76.55663	30.57780	13:30:00	D	6.70
648	PATIALA	RAJPURA	S-NPP	76.60815	30.59209	13:30:00	D	4.10
649	PATIALA	SAMANA	S-NPP	76.19188	29.86833	13:30:00	D	3.20
650	PATIALA	SAMANA	S-NPP	76.05655	29.87123	13:30:00	D	2.80
651	PATIALA	SAMANA	S-NPP	76.10475	29.87501	13:30:00	D	2.40
652	PATIALA	SAMANA	S-NPP	76.06717	29.87961	13:30:00	D	2.10
653	PATIALA	SAMANA	S-NPP	76.07058	29.90392	13:30:00	D	3.00
654	PATIALA	SAMANA	S-NPP	76.07854	29.92551	13:30:00	D	6.40
655	PATIALA	SAMANA	S-NPP	76.15137	29.92954	13:30:00	D	11.10
656	PATIALA	SAMANA	S-NPP	76.02245	29.94095	13:30:00	D	1.50
657	PATIALA	SAMANA	S-NPP	76.02180	29.94425	13:30:00	D	4.80

658	PATIALA	SAMANA	S-NPP	76.14288	29.95209	13:30:00	D	4.10
659	PATIALA	SAMANA	S-NPP	76.17138	29.95292	13:30:00	D	12.20
660	PATIALA	SAMANA	S-NPP	76.15955	29.97157	13:30:00	D	1.90
661	PATIALA	SAMANA	S-NPP	76.07281	29.97566	13:30:00	D	4.80
662	PATIALA	SAMANA	TERRA	76.19900	30.00700	10:50:00	D	9.70
663	PATIALA	SAMANA	S-NPP	76.19933	30.02129	13:30:00	D	18.50
664	PATIALA	SAMANA	S-NPP	76.25345	30.12706	13:30:00	D	3.20
665	PATIALA	SAMANA	S-NPP	76.26958	30.14985	13:30:00	D	5.00
666	RUPNAGAR	ANANDPUR SAHIB	S-NPP	76.54388	31.05124	13:30:00	D	6.10
667	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.52978	30.76966	13:30:00	D	4.70
668	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.52914	30.77299	13:30:00	D	4.70
669	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.46641	30.79662	13:30:00	D	2.00
670	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.46877	30.82773	13:30:00	D	2.90
671	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.48846	30.83398	13:30:00	D	2.80
672	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.49253	30.83456	13:30:00	D	6.30
673	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.44699	30.94316	13:30:00	D	2.90
674	SANGRUR	DHURI	S-NPP	75.69078	30.34129	13:30:00	D	3.20
675	SANGRUR	MOONAK	S-NPP	75.97408	29.77123	13:30:00	D	3.60
676	SANGRUR	MOONAK	S-NPP	75.92270	29.80430	13:30:00	D	5.70
677	SANGRUR	MOONAK	S-NPP	75.92075	29.81421	13:30:00	D	4.60
678	SANGRUR	MOONAK	S-NPP	75.99007	29.81442	13:30:00	D	8.60
679	SANGRUR	MOONAK	AQUA	75.92000	29.81600	14:05:00	D	13.20
680	SANGRUR	MOONAK	S-NPP	75.92010	29.81750	13:30:00	D	4.60
681	SANGRUR	MOONAK	S-NPP	75.77051	29.83165	13:30:00	D	2.90
682	SANGRUR	MOONAK	S-NPP	76.11896	29.84388	13:30:00	D	6.80
683	SANGRUR	MOONAK	S-NPP	76.00407	29.84711	13:30:00	D	2.20
684	SANGRUR	MOONAK	S-NPP	75.78178	29.87755	13:30:00	D	6.50
685	SANGRUR	SANGRUR	S-NPP	75.58053	30.19602	13:30:00	D	2.30
686	SANGRUR	SANGRUR	S-NPP	76.04377	30.21470	13:30:00	D	3.00
687	SANGRUR	SANGRUR	S-NPP	76.15769	30.26219	13:30:00	D	5.00
688	SANGRUR	SANGRUR	S-NPP	75.89845	30.32833	13:30:00	D	2.30
689	SANGRUR	SUNAM	S-NPP	75.93058	29.95097	13:30:00	D	1.10
690	SANGRUR	SUNAM	S-NPP	75.98653	29.97948	13:30:00	D	9.90

691	SANGRUR	SUNAM	S-NPP	75.80574	30.09103	13:30:00	D	2.60
692	SANGRUR	SUNAM	S-NPP	75.82630	30.11113	13:30:00	D	18.60
693	SANGRUR	SUNAM	S-NPP	75.75883	30.14174	13:30:00	D	6.20
694	SANGRUR	SUNAM	S-NPP	75.76280	30.14234	13:30:00	D	6.20
695	SAS NAGAR	DERABASSI	S-NPP	76.80988	30.43037	13:30:00	D	2.60
696	SAS NAGAR	DERABASSI	S-NPP	76.81396	30.43094	13:30:00	D	2.60
697	SAS NAGAR	DERABASSI	S-NPP	76.89515	30.44585	13:30:00	D	1.80
698	SAS NAGAR	DERABASSI	S-NPP	76.77560	30.50095	13:30:00	D	2.20
699	SAS NAGAR	DERABASSI	S-NPP	76.77855	30.55481	13:30:00	D	2.80
700	SAS NAGAR	DERABASSI	S-NPP	76.81786	30.59129	13:30:00	D	15.70
701	SAS NAGAR	KHARAR	S-NPP	76.65411	30.64154	13:30:00	D	5.30
702	SAS NAGAR	KHARAR	S-NPP	76.53104	30.65126	13:30:00	D	2.00
703	SAS NAGAR	MOHALI	S-NPP	76.67359	30.62719	13:30:00	D	2.50
704	SAS NAGAR	MOHALI	S-NPP	76.65474	30.63820	13:30:00	D	5.30
705	SAS NAGAR	MOHALI	S-NPP	76.69209	30.64010	13:30:00	D	3.30
706	SAS NAGAR	MOHALI	S-NPP	76.70996	30.65635	13:30:00	D	2.50
707	SBS NAGAR	SBS NAGAR	S-NPP	76.25227	31.04344	13:30:00	D	6.80
708	SBS NAGAR	SBS NAGAR	AQUA	76.04400	31.22800	14:05:00	D	27.90
709	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05565	31.20973	13:30:00	D	4.10
710	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02949	31.21591	13:30:00	D	4.60
711	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00331	31.22209	13:30:00	D	10.70
712	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00289	31.22470	13:30:00	D	12.10
713	TARN TARAN	KHADOOR SAHIB	AQUA	75.01500	31.22500	14:05:00	D	25.60
714	TARN TARAN	KHADOOR SAHIB	AQUA	75.00800	31.22600	14:05:00	D	13.40
715	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02299	31.22782	13:30:00	D	8.30
716	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02701	31.22844	13:30:00	D	8.30
717	TARN TARAN	KHADOOR SAHIB	AQUA	74.94000	31.23000	14:05:00	D	16.20
718	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02230	31.23111	13:30:00	D	8.30
719	TARN TARAN	KHADOOR SAHIB	S-NPP	74.94720	31.23310	13:30:00	D	3.20
720	TARN TARAN	KHADOOR SAHIB	S-NPP	74.95052	31.23702	13:30:00	D	4.10
721	TARN TARAN	KHADOOR SAHIB	S-NPP	74.96259	31.23889	13:30:00	D	1.20
722	TARN TARAN	KHADOOR SAHIB	S-NPP	74.97866	31.24138	13:30:00	D	5.00
723	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04905	31.24206	13:30:00	D	1.90

724	TARN TARAN	KHADOOR SAHIB	AQUA	74.90200	31.26000	14:05:00	D	17.70
725	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04894	31.26247	13:30:00	D	5.10
726	TARN TARAN	KHADOOR SAHIB	AQUA	74.95200	31.26500	14:05:00	D	27.10
727	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02679	31.26926	13:30:00	D	4.20
728	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03885	31.27112	13:30:00	D	2.30
729	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06766	31.27216	13:30:00	D	8.80
730	TARN TARAN	KHADOOR SAHIB	AQUA	75.05200	31.27600	14:05:00	D	25.90
731	TARN TARAN	KHADOOR SAHIB	S-NPP	74.95694	31.28570	13:30:00	D	8.20
732	TARN TARAN	KHADOOR SAHIB	S-NPP	74.92740	31.28794	13:30:00	D	2.10
733	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06423	31.28865	13:30:00	D	36.80
734	TARN TARAN	KHADOOR SAHIB	S-NPP	74.90590	31.29142	13:30:00	D	3.00
735	TARN TARAN	KHADOOR SAHIB	S-NPP	74.95016	31.29828	13:30:00	D	3.00
736	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04805	31.30658	13:30:00	D	3.00
737	TARN TARAN	KHADOOR SAHIB	AQUA	75.04200	31.30800	14:05:00	D	13.60
738	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03462	31.31132	13:30:00	D	2.70
739	TARN TARAN	KHADOOR SAHIB	S-NPP	74.99303	31.31171	13:30:00	D	7.30
740	TARN TARAN	KHADOOR SAHIB	AQUA	74.99000	31.31400	14:05:00	D	13.60
741	TARN TARAN	KHADOOR SAHIB	S-NPP	74.98831	31.31439	13:30:00	D	7.30
742	TARN TARAN	KHADOOR SAHIB	S-NPP	75.07079	31.31689	13:30:00	D	3.20
743	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03324	31.31792	13:30:00	D	7.70
744	TARN TARAN	KHADOOR SAHIB	S-NPP	74.98624	31.32429	13:30:00	D	9.70
745	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06197	31.33936	13:30:00	D	3.00
746	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06599	31.33998	13:30:00	D	4.70
747	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06237	31.34254	13:30:00	D	58.70
748	TARN TARAN	KHADOOR SAHIB	AQUA	75.05400	31.34300	14:05:00	D	19.80
749	TARN TARAN	KHADOOR SAHIB	S-NPP	74.84632	31.34314	13:30:00	D	5.40
750	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06640	31.34316	13:30:00	D	34.60
751	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02480	31.34356	13:30:00	D	3.40
752	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04962	31.34398	13:30:00	D	8.70
753	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00459	31.36086	13:30:00	D	3.40
754	TARN TARAN	KHADOOR SAHIB	S-NPP	75.07905	31.36213	13:30:00	D	3.30
755	TARN TARAN	KHADOOR SAHIB	S-NPP	74.91260	31.36366	13:30:00	D	3.70
756	TARN TARAN	KHADOOR SAHIB	S-NPP	75.01597	31.36603	13:30:00	D	3.20

757	TARN TARAN	KHADOOR SAHIB	AQUA	74.98200	31.37000	14:05:00	D	22.90
758	TARN TARAN	KHADOOR SAHIB	S-NPP	74.95687	31.37051	13:30:00	D	1.10
759	TARN TARAN	KHADOOR SAHIB	AQUA	75.03300	31.37500	14:05:00	D	15.10
760	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00987	31.37530	13:30:00	D	3.90
761	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05550	31.37552	13:30:00	D	2.10
762	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00919	31.37860	13:30:00	D	3.90
763	TARN TARAN	KHADOOR SAHIB	S-NPP	74.81784	31.37959	13:30:00	D	1.70
764	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06287	31.38006	13:30:00	D	2.70
765	TARN TARAN	KHADOOR SAHIB	S-NPP	74.96285	31.38165	13:30:00	D	4.90
766	TARN TARAN	KHADOOR SAHIB	S-NPP	74.80838	31.38494	13:30:00	D	14.10
767	TARN TARAN	KHADOOR SAHIB	S-NPP	74.75791	31.38730	13:30:00	D	7.20
768	TARN TARAN	KHADOOR SAHIB	S-NPP	74.80768	31.38824	13:30:00	D	14.10
769	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05678	31.38933	13:30:00	D	6.00
770	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06080	31.38995	13:30:00	D	6.00
771	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13123	31.39056	13:30:00	D	10.40
772	TARN TARAN	KHADOOR SAHIB	AQUA	74.86100	31.39100	14:05:00	D	10.80
773	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00643	31.39179	13:30:00	D	3.40
774	TARN TARAN	KHADOOR SAHIB	S-NPP	74.97147	31.40001	13:30:00	D	4.60
775	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02046	31.40417	13:30:00	D	3.30
776	TARN TARAN	KHADOOR SAHIB	S-NPP	74.99965	31.40436	13:30:00	D	6.60
777	TARN TARAN	KHADOOR SAHIB	S-NPP	74.77901	31.40673	13:30:00	D	2.50
778	TARN TARAN	KHADOOR SAHIB	S-NPP	75.17677	31.41114	13:30:00	D	1.80
779	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03519	31.41324	13:30:00	D	2.20
780	TARN TARAN	KHADOOR SAHIB	S-NPP	74.85993	31.41680	13:30:00	D	7.50
781	TARN TARAN	KHADOOR SAHIB	S-NPP	74.86395	31.41742	13:30:00	D	7.50
782	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13381	31.41817	13:30:00	D	2.70
783	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13783	31.41879	13:30:00	D	2.70
784	TARN TARAN	KHADOOR SAHIB	AQUA	75.12300	31.41900	14:05:00	D	16.50
785	TARN TARAN	KHADOOR SAHIB	AQUA	75.13000	31.41900	14:05:00	D	25.40
786	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00897	31.41942	13:30:00	D	2.20
787	TARN TARAN	KHADOOR SAHIB	AQUA	75.14000	31.42100	14:05:00	D	11.20
788	TARN TARAN	KHADOOR SAHIB	S-NPP	75.09151	31.42190	13:30:00	D	2.10
789	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13714	31.42208	13:30:00	D	1.60

790	TARN TARAN	KHADOOR SAHIB	S-NPP	74.84142	31.42669	13:30:00	D	22.70
791	TARN TARAN	KHADOOR SAHIB	S-NPP	75.21495	31.42717	13:30:00	D	3.60
792	TARN TARAN	KHADOOR SAHIB	S-NPP	75.15658	31.42846	13:30:00	D	2.20
793	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13577	31.42868	13:30:00	D	6.70
794	TARN TARAN	KHADOOR SAHIB	S-NPP	74.79500	31.42968	13:30:00	D	3.50
795	TARN TARAN	KHADOOR SAHIB	S-NPP	74.79903	31.43031	13:30:00	D	3.40
796	TARN TARAN	KHADOOR SAHIB	S-NPP	75.11763	31.43611	13:30:00	D	1.90
797	TARN TARAN	KHADOOR SAHIB	S-NPP	75.10889	31.43817	13:30:00	D	1.60
798	TARN TARAN	KHADOOR SAHIB	S-NPP	74.85143	31.43847	13:30:00	D	2.80
799	TARN TARAN	KHADOOR SAHIB	S-NPP	74.87621	31.43891	13:30:00	D	2.30
800	TARN TARAN	KHADOOR SAHIB	S-NPP	74.70537	31.43954	13:30:00	D	4.20
801	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03773	31.44086	13:30:00	D	4.30
802	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04509	31.44539	13:30:00	D	3.10
803	TARN TARAN	KHADOOR SAHIB	S-NPP	74.76661	31.44570	13:30:00	D	2.00
804	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05717	31.44725	13:30:00	D	1.70
805	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05684	31.44982	13:30:00	D	2.60
806	TARN TARAN	KHADOOR SAHIB	AQUA	74.98100	31.45000	14:05:00	D	18.80
807	TARN TARAN	KHADOOR SAHIB	AQUA	75.08400	31.45000	14:05:00	D	40.00
808	TARN TARAN	KHADOOR SAHIB	S-NPP	74.80695	31.45199	13:30:00	D	1.30
809	TARN TARAN	KHADOOR SAHIB	S-NPP	75.20077	31.45562	13:30:00	D	4.70
810	TARN TARAN	KHADOOR SAHIB	S-NPP	74.66409	31.45695	13:30:00	D	7.30
811	TARN TARAN	KHADOOR SAHIB	S-NPP	74.75574	31.45764	13:30:00	D	2.60
812	TARN TARAN	KHADOOR SAHIB	AQUA	74.86100	31.46100	14:05:00	D	38.60
813	TARN TARAN	KHADOOR SAHIB	AQUA	74.87800	31.46200	14:05:00	D	22.10
814	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04133	31.46445	13:30:00	D	6.10
815	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00706	31.46938	13:30:00	D	2.40
816	TARN TARAN	KHADOOR SAHIB	S-NPP	74.65725	31.46953	13:30:00	D	2.60
817	TARN TARAN	KHADOOR SAHIB	S-NPP	75.01108	31.47000	13:30:00	D	2.40
818	TARN TARAN	KHADOOR SAHIB	S-NPP	74.84851	31.47209	13:30:00	D	3.90
819	TARN TARAN	KHADOOR SAHIB	S-NPP	74.66058	31.47346	13:30:00	D	2.60
820	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05605	31.47352	13:30:00	D	8.50
821	TARN TARAN	KHADOOR SAHIB	S-NPP	74.86060	31.47397	13:30:00	D	5.20
822	TARN TARAN	KHADOOR SAHIB	S-NPP	75.21314	31.47716	13:30:00	D	4.90

823	TARN TARAN	KHADOOR SAHIB	S-NPP	75.22924	31.47961	13:30:00	D	4.20
824	TARN TARAN	KHADOOR SAHIB	S-NPP	74.97944	31.48214	13:30:00	D	2.90
825	TARN TARAN	KHADOOR SAHIB	AQUA	75.18400	31.48300	14:05:00	D	11.70
826	TARN TARAN	KHADOOR SAHIB	AQUA	74.62100	31.49200	14:05:00	D	12.90
827	TARN TARAN	KHADOOR SAHIB	S-NPP	74.71505	31.49221	13:30:00	D	3.70
828	TARN TARAN	KHADOOR SAHIB	AQUA	75.07300	31.49300	14:05:00	D	11.70
829	TARN TARAN	KHADOOR SAHIB	S-NPP	74.91888	31.49322	13:30:00	D	2.00
830	TARN TARAN	KHADOOR SAHIB	S-NPP	74.83154	31.49330	13:30:00	D	2.60
831	TARN TARAN	KHADOOR SAHIB	AQUA	75.07800	31.49500	14:05:00	D	10.10
832	TARN TARAN	KHADOOR SAHIB	S-NPP	74.90541	31.49794	13:30:00	D	1.40
833	TARN TARAN	KHADOOR SAHIB	S-NPP	74.67242	31.49871	13:30:00	D	10.20
834	TARN TARAN	KHADOOR SAHIB	S-NPP	75.24596	31.49916	13:30:00	D	2.00
835	TARN TARAN	KHADOOR SAHIB	S-NPP	74.91278	31.50249	13:30:00	D	2.80
836	TARN TARAN	KHADOOR SAHIB	S-NPP	74.80456	31.50274	13:30:00	D	3.50
837	TARN TARAN	KHADOOR SAHIB	S-NPP	74.91681	31.50311	13:30:00	D	3.10
838	TARN TARAN	KHADOOR SAHIB	S-NPP	74.79983	31.50541	13:30:00	D	2.90
839	TARN TARAN	KHADOOR SAHIB	S-NPP	74.93626	31.50953	13:30:00	D	2.90
840	TARN TARAN	KHADOOR SAHIB	S-NPP	74.65749	31.51001	13:30:00	D	9.50
841	TARN TARAN	KHADOOR SAHIB	S-NPP	74.74039	31.51278	13:30:00	D	8.50
842	TARN TARAN	KHADOOR SAHIB	S-NPP	74.65678	31.51331	13:30:00	D	9.50
843	TARN TARAN	KHADOOR SAHIB	S-NPP	74.66083	31.51395	13:30:00	D	9.50
844	TARN TARAN	KHADOOR SAHIB	S-NPP	74.72757	31.51418	13:30:00	D	7.40
845	TARN TARAN	KHADOOR SAHIB	S-NPP	74.67700	31.51649	13:30:00	D	2.40
846	TARN TARAN	KHADOOR SAHIB	S-NPP	74.80356	31.52946	13:30:00	D	3.40
847	TARN TARAN	KHADOOR SAHIB	S-NPP	74.64043	31.53122	13:30:00	D	2.60
848	TARN TARAN	KHADOOR SAHIB	S-NPP	74.64782	31.53579	13:30:00	D	8.20
849	TARN TARAN	KHADOOR SAHIB	S-NPP	74.72266	31.53728	13:30:00	D	2.80
850	TARN TARAN	KHADOOR SAHIB	S-NPP	74.79130	31.54799	13:30:00	D	1.70
851	TARN TARAN	KHADOOR SAHIB	S-NPP	74.80675	31.55381	13:30:00	D	19.00
852	TARN TARAN	PATTI	AQUA	74.55600	31.11000	14:05:00	D	13.40
853	TARN TARAN	PATTI	S-NPP	74.59225	31.12038	13:30:00	D	2.60
854	TARN TARAN	PATTI	AQUA	74.68000	31.13400	14:05:00	D	12.40
855	TARN TARAN	PATTI	S-NPP	74.58066	31.13564	13:30:00	D	1.60

856	TARN TARAN	PATTI	AQUA	74.63100	31.14000	14:05:00	D	11.30
857	TARN TARAN	PATTI	S-NPP	74.67965	31.14098	13:30:00	D	14.00
858	TARN TARAN	PATTI	AQUA	74.76000	31.14200	14:05:00	D	22.60
859	TARN TARAN	PATTI	S-NPP	74.67895	31.14429	13:30:00	D	14.00
860	TARN TARAN	PATTI	S-NPP	74.68701	31.14555	13:30:00	D	2.80
861	TARN TARAN	PATTI	S-NPP	74.79053	31.14813	13:30:00	D	1.60
862	TARN TARAN	PATTI	S-NPP	74.74887	31.14843	13:30:00	D	3.30
863	TARN TARAN	PATTI	S-NPP	74.56499	31.15026	13:30:00	D	3.90
864	TARN TARAN	PATTI	S-NPP	74.80663	31.15064	13:30:00	D	1.10
865	TARN TARAN	PATTI	S-NPP	74.82272	31.15316	13:30:00	D	6.40
866	TARN TARAN	PATTI	AQUA	74.58100	31.15700	14:05:00	D	14.70
867	TARN TARAN	PATTI	S-NPP	74.52544	31.16000	13:30:00	D	7.10
868	TARN TARAN	PATTI	S-NPP	74.93327	31.16015	13:30:00	D	7.60
869	TARN TARAN	PATTI	S-NPP	74.93259	31.16345	13:30:00	D	7.60
870	TARN TARAN	PATTI	AQUA	74.56400	31.16600	14:05:00	D	10.60
871	TARN TARAN	PATTI	S-NPP	74.80315	31.16715	13:30:00	D	4.90
872	TARN TARAN	PATTI	S-NPP	74.56921	31.17037	13:30:00	D	7.10
873	TARN TARAN	PATTI	S-NPP	74.66016	31.17452	13:30:00	D	4.40
874	TARN TARAN	PATTI	AQUA	74.63500	31.17700	14:05:00	D	20.90
875	TARN TARAN	PATTI	AQUA	74.78800	31.17900	14:05:00	D	22.80
876	TARN TARAN	PATTI	AQUA	74.62500	31.18300	14:05:00	D	21.50
877	TARN TARAN	PATTI	S-NPP	74.80370	31.18429	13:30:00	D	6.10
878	TARN TARAN	PATTI	S-NPP	74.63718	31.18455	13:30:00	D	7.30
879	TARN TARAN	PATTI	AQUA	74.64100	31.18500	14:05:00	D	13.30
880	TARN TARAN	PATTI	S-NPP	74.91980	31.18531	13:30:00	D	2.40
881	TARN TARAN	PATTI	S-NPP	74.53668	31.18573	13:30:00	D	8.80
882	TARN TARAN	PATTI	S-NPP	74.72398	31.18799	13:30:00	D	5.50
883	TARN TARAN	PATTI	S-NPP	74.54002	31.18968	13:30:00	D	14.40
884	TARN TARAN	PATTI	S-NPP	74.68964	31.19283	13:30:00	D	2.20
885	TARN TARAN	PATTI	S-NPP	74.56831	31.19416	13:30:00	D	5.30
886	TARN TARAN	PATTI	S-NPP	74.56761	31.19747	13:30:00	D	7.00
887	TARN TARAN	PATTI	S-NPP	74.76288	31.20093	13:30:00	D	3.30
888	TARN TARAN	PATTI	S-NPP	74.76691	31.20156	13:30:00	D	3.30

889	TARN TARAN	PATTI	AQUA	74.66400	31.20200	14:05:00	D	21.10
890	TARN TARAN	PATTI	S-NPP	74.66666	31.20287	13:30:00	D	9.80
891	TARN TARAN	PATTI	AQUA	74.68000	31.20400	14:05:00	D	11.80
892	TARN TARAN	PATTI	S-NPP	74.76218	31.20423	13:30:00	D	3.30
893	TARN TARAN	PATTI	S-NPP	74.82870	31.20442	13:30:00	D	2.40
894	TARN TARAN	PATTI	S-NPP	74.65315	31.20757	13:30:00	D	9.40
895	TARN TARAN	PATTI	AQUA	74.76000	31.21200	14:05:00	D	14.10
896	TARN TARAN	PATTI	AQUA	74.77600	31.21400	14:05:00	D	11.80
897	TARN TARAN	PATTI	AQUA	74.58200	31.21600	14:05:00	D	14.60
898	TARN TARAN	PATTI	S-NPP	74.63419	31.21824	13:30:00	D	8.50
899	TARN TARAN	PATTI	S-NPP	74.63348	31.22155	13:30:00	D	9.70
900	TARN TARAN	PATTI	S-NPP	74.76203	31.22467	13:30:00	D	2.50
901	TARN TARAN	PATTI	S-NPP	74.67860	31.22523	13:30:00	D	1.50
902	TARN TARAN	PATTI	S-NPP	74.54913	31.22532	13:30:00	D	2.00
903	TARN TARAN	PATTI	S-NPP	74.68263	31.22586	13:30:00	D	2.40
904	TARN TARAN	PATTI	S-NPP	74.80703	31.22831	13:30:00	D	26.00
905	TARN TARAN	PATTI	AQUA	74.92300	31.22900	14:05:00	D	27.80
906	TARN TARAN	PATTI	S-NPP	74.80231	31.23098	13:30:00	D	6.00
907	TARN TARAN	PATTI	S-NPP	74.80161	31.23428	13:30:00	D	3.10
908	TARN TARAN	PATTI	S-NPP	74.83049	31.23538	13:30:00	D	4.50
909	TARN TARAN	PATTI	AQUA	74.57900	31.23700	14:05:00	D	12.00
910	TARN TARAN	PATTI	S-NPP	74.82980	31.23868	13:30:00	D	4.40
911	TARN TARAN	PATTI	S-NPP	74.70070	31.23894	13:30:00	D	4.90
912	TARN TARAN	PATTI	S-NPP	74.63805	31.23934	13:30:00	D	3.00
913	TARN TARAN	PATTI	S-NPP	74.58341	31.24098	13:30:00	D	55.70
914	TARN TARAN	PATTI	S-NPP	74.65421	31.24188	13:30:00	D	2.20
915	TARN TARAN	PATTI	S-NPP	74.65824	31.24252	13:30:00	D	2.20
916	TARN TARAN	PATTI	S-NPP	74.61170	31.24544	13:30:00	D	3.20
917	TARN TARAN	PATTI	S-NPP	74.90694	31.24729	13:30:00	D	6.40
918	TARN TARAN	PATTI	S-NPP	74.81494	31.25000	13:30:00	D	2.90
919	TARN TARAN	PATTI	S-NPP	74.71474	31.25138	13:30:00	D	3.00
920	TARN TARAN	PATTI	S-NPP	74.56845	31.25230	13:30:00	D	2.00
921	TARN TARAN	PATTI	S-NPP	74.60484	31.25803	13:30:00	D	4.90

922	TARN TARAN	PATTI	S-NPP	74.70860	31.26066	13:30:00	D	5.90
923	TARN TARAN	PATTI	S-NPP	74.60413	31.26133	13:30:00	D	4.90
924	TARN TARAN	PATTI	AQUA	74.53700	31.26800	14:05:00	D	11.60
925	TARN TARAN	PATTI	S-NPP	74.89002	31.26851	13:30:00	D	2.30
926	TARN TARAN	PATTI	AQUA	74.55200	31.27000	14:05:00	D	11.00
927	TARN TARAN	PATTI	S-NPP	74.66404	31.27415	13:30:00	D	2.50
928	TARN TARAN	PATTI	S-NPP	74.60255	31.27416	13:30:00	D	27.80
929	TARN TARAN	PATTI	S-NPP	74.66808	31.27478	13:30:00	D	2.50
930	TARN TARAN	PATTI	S-NPP	74.61800	31.28003	13:30:00	D	1.70
931	TARN TARAN	PATTI	S-NPP	74.77102	31.28065	13:30:00	D	5.20
932	TARN TARAN	PATTI	S-NPP	74.76868	31.29692	13:30:00	D	4.70
933	TARN TARAN	PATTI	S-NPP	74.76799	31.30022	13:30:00	D	4.70
934	TARN TARAN	PATTI	S-NPP	74.59692	31.30061	13:30:00	D	4.70
935	TARN TARAN	PATTI	S-NPP	74.67576	31.30279	13:30:00	D	20.80
936	TARN TARAN	PATTI	S-NPP	74.90646	31.30854	13:30:00	D	4.90
937	TARN TARAN	PATTI	S-NPP	74.71612	31.30914	13:30:00	D	1.60
938	TARN TARAN	PATTI	S-NPP	74.66559	31.31143	13:30:00	D	11.30
939	TARN TARAN	PATTI	S-NPP	74.90586	31.31184	13:30:00	D	3.40
940	TARN TARAN	PATTI	AQUA	74.64300	31.31200	14:05:00	D	11.50
941	TARN TARAN	PATTI	S-NPP	74.55223	31.31405	13:30:00	D	2.00
942	TARN TARAN	PATTI	S-NPP	74.85590	31.31736	13:30:00	D	25.70
943	TARN TARAN	PATTI	S-NPP	74.74698	31.32080	13:30:00	D	6.20
944	TARN TARAN	PATTI	S-NPP	74.69578	31.32642	13:30:00	D	2.40
945	TARN TARAN	PATTI	S-NPP	74.84910	31.32994	13:30:00	D	6.70
946	TARN TARAN	PATTI	S-NPP	74.67822	31.33048	13:30:00	D	2.40
947	TARN TARAN	PATTI	S-NPP	74.89870	31.33084	13:30:00	D	1.90
948	TARN TARAN	PATTI	S-NPP	74.64978	31.34650	13:30:00	D	2.80
949	TARN TARAN	PATTI	S-NPP	74.55326	31.34839	13:30:00	D	4.60
950	TARN TARAN	PATTI	S-NPP	74.77435	31.34895	13:30:00	D	3.30
951	TARN TARAN	PATTI	S-NPP	74.74473	31.35114	13:30:00	D	3.00
952	TARN TARAN	PATTI	S-NPP	74.77365	31.35225	13:30:00	D	3.40
953	TARN TARAN	PATTI	AQUA	74.75000	31.35700	14:05:00	D	11.40
954	TARN TARAN	PATTI	S-NPP	74.65504	31.36098	13:30:00	D	5.50

955	TARN TARAN	PATTI	S-NPP	74.59635	31.36201	13:30:00	D	3.20
956	TARN TARAN	PATTI	S-NPP	74.71299	31.36323	13:30:00	D	2.00
957	TARN TARAN	PATTI	S-NPP	74.65435	31.36428	13:30:00	D	5.50
958	TARN TARAN	PATTI	S-NPP	74.64153	31.36569	13:30:00	D	1.30
959	TARN TARAN	PATTI	S-NPP	74.55782	31.36620	13:30:00	D	4.30
960	TARN TARAN	PATTI	S-NPP	74.65627	31.37483	13:30:00	D	3.10
961	TARN TARAN	PATTI	S-NPP	74.66032	31.37546	13:30:00	D	4.60
962	TARN TARAN	PATTI	S-NPP	74.61352	31.38072	13:30:00	D	3.00
963	TARN TARAN	PATTI	AQUA	74.65800	31.38400	14:05:00	D	12.50
964	TARN TARAN	PATTI	S-NPP	74.60384	31.40651	13:30:00	D	2.10
965	TARN TARAN	PATTI	S-NPP	74.68201	31.41199	13:30:00	D	2.00
966	TARN TARAN	PATTI	S-NPP	74.63002	31.42088	13:30:00	D	1.20

Details of residue burning events in Haryana on 17-Oct-2020

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	AMBALA	AMBALA	S-NPP	76.90887	30.20628	13:30:00	D	4.60
2	AMBALA	AMBALA	S-NPP	76.90952	30.20782	13:30:00	D	1.60
3	AMBALA	AMBALA	S-NPP	76.71960	30.21853	13:30:00	D	6.00
4	AMBALA	AMBALA	S-NPP	76.68340	30.23387	13:30:00	D	4.20
5	AMBALA	AMBALA	S-NPP	76.56708	30.23417	13:30:00	D	1.00
6	AMBALA	AMBALA	S-NPP	76.62424	30.23902	13:30:00	D	4.70
7	AMBALA	AMBALA	S-NPP	76.73609	30.24143	13:30:00	D	2.00
8	AMBALA	AMBALA	S-NPP	77.03188	30.31791	13:30:00	D	7.50
9	AMBALA	BARARA	AQUA	77.10300	30.22800	14:05:00	D	15.00
10	AMBALA	BARARA	S-NPP	76.96833	30.22984	13:30:00	D	3.00
11	AMBALA	BARARA	S-NPP	77.03865	30.23627	13:30:00	D	7.50
12	AMBALA	NARAYANGARH	S-NPP	77.00832	30.35739	13:30:00	D	4.30
13	AMBALA	NARAYANGARH	S-NPP	77.03585	30.36813	13:30:00	D	11.90
14	AMBALA	NARAYANGARH	S-NPP	76.99767	30.41439	13:30:00	D	1.80
15	BHIWANI	BAWANI_KHERA	S-NPP	76.07331	29.00138	13:30:00	D	3.00
16	FATEHABAD	FATEHABAD	S-NPP	75.63755	29.42901	13:30:00	D	3.30
17	FATEHABAD	FATEHABAD	S-NPP	75.61651	29.45299	13:30:00	D	2.20
18	FATEHABAD	FATEHABAD	S-NPP	75.63525	29.56444	13:30:00	D	2.50
19	FATEHABAD	TOHANA	S-NPP	75.83459	29.54382	13:30:00	D	7.60
20	FATEHABAD	TOHANA	S-NPP	75.86101	29.59540	13:30:00	D	6.00
21	FATEHABAD	TOHANA	S-NPP	75.92228	29.61486	13:30:00	D	4.70
22	FATEHABAD	TOHANA	S-NPP	75.82043	29.61920	13:30:00	D	2.20
23	FATEHABAD	TOHANA	S-NPP	75.91859	29.63743	13:30:00	D	5.20
24	FATEHABAD	TOHANA	S-NPP	75.77769	29.65010	13:30:00	D	1.50
25	FATEHABAD	TOHANA	S-NPP	75.80205	29.65040	13:30:00	D	2.40
26	FATEHABAD	TOHANA	S-NPP	75.82710	29.66779	13:30:00	D	5.00
27	FATEHABAD	TOHANA	S-NPP	75.90553	29.68304	13:30:00	D	2.10
28	FATEHABAD	TOHANA	S-NPP	75.71054	29.70107	13:30:00	D	5.70
29	FATEHABAD	TOHANA	S-NPP	75.93463	29.72142	13:30:00	D	2.50
30	FATEHABAD	TOHANA	AQUA	75.91700	29.73800	14:05:00	D	20.00

31	HISAR	HISAR	S-NPP	75.76440	29.23854	13:30:00	D	1.80
32	HISAR	HISAR	S-NPP	75.89320	29.45097	13:30:00	D	2.00
33	HISAR	HISAR	S-NPP	75.89987	29.51623	02:12:00	N	0.40
34	HISAR	HISAR	S-NPP	75.95825	29.53532	13:30:00	D	5.90
35	HISAR	HISAR	S-NPP	75.96098	29.56291	13:30:00	D	3.10
36	HISAR	NARNAUND	S-NPP	76.19272	29.39467	13:30:00	D	6.20
37	JIND	JIND	S-NPP	76.30488	29.23229	13:30:00	D	1.20
38	JIND	JIND	S-NPP	76.43501	29.51135	13:30:00	D	3.90
39	JIND	NARWANA	S-NPP	76.20197	29.49391	13:30:00	D	2.60
40	JIND	NARWANA	S-NPP	76.01038	29.49583	13:30:00	D	3.40
41	JIND	NARWANA	S-NPP	75.96764	29.50639	13:30:00	D	2.60
42	JIND	NARWANA	S-NPP	76.25218	29.52858	13:30:00	D	2.40
43	JIND	NARWANA	AQUA	76.02900	29.54300	14:05:00	D	19.60
44	JIND	NARWANA	S-NPP	76.09991	29.55996	13:30:00	D	2.70
45	JIND	NARWANA	S-NPP	75.98553	29.62439	13:30:00	D	2.20
46	JIND	NARWANA	S-NPP	75.98948	29.62498	13:30:00	D	3.40
47	JIND	NARWANA	S-NPP	75.99149	29.63548	13:30:00	D	1.60
48	JIND	NARWANA	S-NPP	76.04453	29.65974	13:30:00	D	2.10
49	JIND	NARWANA	S-NPP	76.01980	29.74442	13:30:00	D	8.60
50	JIND	SAFIDON	S-NPP	76.69500	29.47882	13:30:00	D	4.90
51	KAITHAL	GUHLA	S-NPP	76.24565	29.88652	13:30:00	D	2.30
52	KAITHAL	GUHLA	S-NPP	76.25139	29.92052	13:30:00	D	6.00
53	KAITHAL	GUHLA	S-NPP	76.22365	29.93685	13:30:00	D	3.10
54	KAITHAL	GUHLA	S-NPP	76.21864	29.98374	13:30:00	D	26.30
55	KAITHAL	GUHLA	TERRA	76.25600	30.05700	10:50:00	D	9.60
56	KAITHAL	GUHLA	S-NPP	76.35648	30.05801	13:30:00	D	2.10
57	KAITHAL	GUHLA	AQUA	76.41100	30.07000	14:05:00	D	19.30
58	KAITHAL	GUHLA	S-NPP	76.43676	30.09019	13:30:00	D	3.60
59	KAITHAL	GUHLA	AQUA	76.46100	30.09300	14:05:00	D	15.30
60	KAITHAL	GUHLA	S-NPP	76.46484	30.09429	13:30:00	D	3.60
61	KAITHAL	GUHLA	S-NPP	76.40086	30.10540	13:30:00	D	3.80
62	KAITHAL	GUHLA	S-NPP	76.24945	30.12647	13:30:00	D	2.30
63	KAITHAL	KAITHAL	S-NPP	76.50260	29.52125	13:30:00	D	2.90

64	KAITHAL	KAITHAL	S-NPP	76.51265	29.53294	13:30:00	D	2.60
65	KAITHAL	KAITHAL	S-NPP	76.57566	29.67779	13:30:00	D	2.80
66	KAITHAL	KAITHAL	S-NPP	76.28313	29.71221	13:30:00	D	6.30
67	KAITHAL	KAITHAL	S-NPP	76.64249	29.78522	13:30:00	D	4.30
68	KAITHAL	KAITHAL	METOP-2	76.43870	29.79585	20:22:00	N	8.00
69	KAITHAL	KAITHAL	S-NPP	76.64863	29.79634	13:30:00	D	1.40
70	KAITHAL	KAITHAL	AQUA	76.60100	29.81700	14:05:00	D	21.20
71	KAITHAL	KAITHAL	AQUA	76.61600	29.82200	14:05:00	D	16.90
72	KAITHAL	KAITHAL	S-NPP	76.61424	29.82549	13:30:00	D	11.90
73	KAITHAL	KAITHAL	S-NPP	76.45336	29.87283	13:30:00	D	7.50
74	KAITHAL	KAITHAL	S-NPP	76.55132	29.87688	13:30:00	D	9.40
75	KAITHAL	KAITHAL	S-NPP	76.38309	29.89660	13:30:00	D	2.60
76	KAITHAL	KAITHAL	S-NPP	76.68785	29.89666	13:30:00	D	4.90
77	KAITHAL	KAITHAL	S-NPP	76.56355	29.89913	13:30:00	D	2.80
78	KAITHAL	KAITHAL	AQUA	76.27900	29.90700	14:05:00	D	17.80
79	KAITHAL	KAITHAL	S-NPP	76.60642	29.91219	13:30:00	D	8.80
80	KAITHAL	KAITHAL	S-NPP	76.61044	29.91278	13:30:00	D	8.80
81	KARNAL	ASSANDH	S-NPP	76.53529	29.49981	13:30:00	D	3.10
82	KARNAL	ASSANDH	S-NPP	76.59801	29.57949	13:30:00	D	3.60
83	KARNAL	ASSANDH	S-NPP	76.59949	29.59335	13:30:00	D	2.10
84	KARNAL	ASSANDH	S-NPP	76.79081	29.60406	13:30:00	D	2.30
85	KARNAL	ASSANDH	S-NPP	76.79483	29.60464	13:30:00	D	3.00
86	KARNAL	ASSANDH	S-NPP	76.69252	29.64697	13:30:00	D	4.60
87	KARNAL	GHARAUNDA	S-NPP	76.92239	29.51849	13:30:00	D	2.10
88	KARNAL	GHARAUNDA	S-NPP	76.80698	29.56195	13:30:00	D	1.10
89	KARNAL	GHARAUNDA	S-NPP	77.05007	29.56764	13:30:00	D	2.80
90	KARNAL	GHARAUNDA	S-NPP	76.93671	29.59764	13:30:00	D	1.70
91	KARNAL	INDRI	S-NPP	77.02151	29.88764	13:30:00	D	2.70
92	KARNAL	INDRI	S-NPP	76.97917	29.89373	13:30:00	D	2.00
93	KARNAL	INDRI	S-NPP	77.10942	29.91048	13:30:00	D	2.80
94	KARNAL	INDRI	S-NPP	77.11350	29.91106	13:30:00	D	6.10
95	KARNAL	INDRI	S-NPP	77.10970	29.91208	13:30:00	D	3.30
96	KARNAL	KARNAL	S-NPP	76.83654	29.62434	13:30:00	D	3.00

97	KARNAL	KARNAL	S-NPP	76.80188	29.63301	13:30:00	D	4.30
98	KARNAL	KARNAL	AQUA	76.77900	29.64100	14:05:00	D	18.70
99	KARNAL	KARNAL	S-NPP	76.83155	29.65098	13:30:00	D	2.40
100	KARNAL	KARNAL	S-NPP	76.77153	29.66517	13:30:00	D	3.40
101	KARNAL	KARNAL	S-NPP	76.95640	29.69502	13:30:00	D	1.60
102	KARNAL	KARNAL	S-NPP	76.73890	29.72882	13:30:00	D	4.40
103	KARNAL	KARNAL	S-NPP	76.83737	29.73278	13:30:00	D	2.90
104	KARNAL	KARNAL	S-NPP	76.84141	29.73336	13:30:00	D	2.90
105	KARNAL	KARNAL	S-NPP	77.09991	29.79783	13:30:00	D	4.90
106	KARNAL	KARNAL	S-NPP	76.99454	29.80828	13:30:00	D	18.70
107	KARNAL	NILOKHERI	S-NPP	76.91902	29.85583	13:30:00	D	1.20
108	KARNAL	NILOKHERI	S-NPP	76.99490	29.87354	13:30:00	D	3.40
109	KARNAL	NILOKHERI	S-NPP	76.92604	29.91022	13:30:00	D	1.30
110	KURUKSHETRA	PEHOWA	S-NPP	76.52769	29.91438	13:30:00	D	1.80
111	KURUKSHETRA	PEHOWA	S-NPP	76.61193	29.92665	13:30:00	D	11.20
112	KURUKSHETRA	PEHOWA	S-NPP	76.70937	29.95788	13:30:00	D	1.60
113	KURUKSHETRA	PEHOWA	S-NPP	76.65954	29.95949	13:30:00	D	1.40
114	KURUKSHETRA	PEHOWA	S-NPP	76.49210	29.99328	13:30:00	D	3.30
115	KURUKSHETRA	PEHOWA	METOP-2	76.55032	29.99348	20:22:00	N	11.00
116	KURUKSHETRA	PEHOWA	AQUA	76.54500	30.00600	14:05:00	D	13.70
117	KURUKSHETRA	PEHOWA	S-NPP	76.58443	30.00670	13:30:00	D	2.00
118	KURUKSHETRA	PEHOWA	S-NPP	76.42290	30.03363	13:30:00	D	10.60
119	KURUKSHETRA	PEHOWA	S-NPP	76.60915	30.07425	13:30:00	D	25.10
120	KURUKSHETRA	PEHOWA	AQUA	76.47000	30.07600	14:05:00	D	12.60
121	KURUKSHETRA	PEHOWA	S-NPP	76.46803	30.07770	13:30:00	D	4.70
122	KURUKSHETRA	PEHOWA	AQUA	76.46200	30.08100	14:05:00	D	14.00
123	KURUKSHETRA	PEHOWA	AQUA	76.46900	30.08800	14:05:00	D	13.50
124	KURUKSHETRA	PEHOWA	S-NPP	76.46548	30.09097	13:30:00	D	3.60
125	KURUKSHETRA	PEHOWA	S-NPP	76.71800	30.13435	13:30:00	D	3.90
126	KURUKSHETRA	PEHOWA	AQUA	76.63800	30.14700	14:05:00	D	14.60
127	KURUKSHETRA	PEHOWA	S-NPP	76.69868	30.14868	13:30:00	D	3.00
128	KURUKSHETRA	PEHOWA	S-NPP	76.66319	30.16065	13:30:00	D	7.20
129	KURUKSHETRA	SHAHABAD	S-NPP	76.79407	30.12814	13:30:00	D	2.80

130	KURUKSHETRA	SHAHABAD	S-NPP	76.85372	30.18809	13:30:00	D	3.60
131	KURUKSHETRA	THANESAR	S-NPP	76.76264	29.87322	13:30:00	D	2.20
132	KURUKSHETRA	THANESAR	S-NPP	76.83476	29.99825	13:30:00	D	2.80
133	KURUKSHETRA	THANESAR	S-NPP	76.72267	30.01985	13:30:00	D	4.40
134	KURUKSHETRA	THANESAR	S-NPP	76.70589	30.02085	13:30:00	D	8.20
135	KURUKSHETRA	THANESAR	S-NPP	77.05560	30.04668	13:30:00	D	1.50
136	KURUKSHETRA	THANESAR	S-NPP	76.81816	30.06438	13:30:00	D	2.30
137	KURUKSHETRA	THANESAR	S-NPP	77.03584	30.08515	13:30:00	D	2.80
138	KURUKSHETRA	THANESAR	S-NPP	76.89624	30.09272	13:30:00	D	4.20
139	KURUKSHETRA	THANESAR	S-NPP	76.83718	30.12059	13:30:00	D	2.90
140	KURUKSHETRA	THANESAR	S-NPP	77.03389	30.12092	13:30:00	D	7.10
141	PALWAL	HATHIN	S-NPP	77.25980	28.04013	13:30:00	D	3.20
142	PALWAL	PALWAL	S-NPP	77.36087	28.13508	13:30:00	D	1.70
143	PALWAL	PALWAL	S-NPP	77.36026	28.13842	13:30:00	D	17.40
144	PANCHKULA	KALKA	S-NPP	76.88491	30.80314	13:30:00	D	2.60
145	PANCHKULA	PANCHKULA	S-NPP	76.91599	30.46941	13:30:00	D	3.70
146	SIRSA	DABWALI	S-NPP	74.79197	29.68949	13:30:00	D	1.10
147	SIRSA	DABWALI	S-NPP	74.91949	29.83225	13:30:00	D	3.40
148	SIRSA	RANIA	S-NPP	74.69473	29.57928	13:30:00	D	5.40
149	SIRSA	SIRSA	S-NPP	75.12687	29.58024	13:30:00	D	1.70
150	SIRSA	SIRSA	S-NPP	75.10226	29.60028	13:30:00	D	5.30
151	SIRSA	SIRSA	AQUA	75.19700	29.69700	14:05:00	D	11.40
152	SIRSA	SIRSA	S-NPP	75.11680	29.71119	13:30:00	D	3.80
153	SONIPAT	GOHANA	S-NPP	76.75840	29.11222	13:30:00	D	2.20
154	SONIPAT	GOHANA	S-NPP	76.76238	29.11279	13:30:00	D	3.90
155	SONIPAT	GOHANA	S-NPP	76.63401	29.16568	13:30:00	D	1.70
156	SONIPAT	GOHANA	S-NPP	76.77208	29.21913	13:30:00	D	3.10
157	YAMUNANAGAR	CHHACHHRAULII	S-NPP	77.40671	30.16496	13:30:00	D	4.30
158	YAMUNANAGAR	CHHACHHRAULII	S-NPP	77.38033	30.26601	13:30:00	D	2.50
159	YAMUNANAGAR	CHHACHHRAULII	S-NPP	77.27889	30.26621	13:30:00	D	2.40
160	YAMUNANAGAR	CHHACHHRAULII	S-NPP	77.40656	30.36355	13:30:00	D	2.90
161	YAMUNANAGAR	JAGADHRI	S-NPP	77.15238	30.14092	13:30:00	D	2.20
162	YAMUNANAGAR	JAGADHRI	S-NPP	77.17316	30.18865	13:30:00	D	4.00

163	YAMUNANAGAR	JAGADHRI	S-NPP	77.36410	30.19099	13:30:00	D	3.20
164	YAMUNANAGAR	JAGADHRI	S-NPP	77.17255	30.19201	13:30:00	D	5.00
165	YAMUNANAGAR	JAGADHRI	AQUA	77.35800	30.19800	14:05:00	D	15.60
166	YAMUNANAGAR	JAGADHRI	S-NPP	77.17357	30.30685	13:30:00	D	3.50
167	YAMUNANAGAR	JAGADHRI	S-NPP	77.25295	30.31448	13:30:00	D	2.40

Details of residue burning events in Uttar Pradesh on 17-Oct-2020

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	ALIGARH	GABHANA	S-NPP	78.00647	28.05896	02:12:00	N	1.90
2	ALIGARH	GABHANA	S-NPP	78.01664	28.08065	13:30:00	D	3.40
3	ALIGARH	KOL	METOP-2	78.15178	27.90939	20:22:00	N	6.00
4	ALIGARH	KOL	S-NPP	77.99924	27.95473	02:12:00	N	0.90
5	AURAIYA	BIDHUNA	S-NPP	79.68282	26.78477	02:12:00	N	0.50
6	BADAUN	DATAGANJ	S-NPP	79.41386	28.01027	13:30:00	D	4.70
7	BAGHPAT	BAGHPAT	S-NPP	77.36922	28.88280	02:12:00	N	0.60
8	BALRAMPUR	BALRAMPUR	TERRA	82.07200	27.48000	10:50:00	D	4.90
9	BARABANKI	RAMNAGAR	S-NPP	81.32825	27.08017	02:12:00	N	0.60
10	BULANDSAHAR	KHURJA	S-NPP	77.99816	28.14103	13:30:00	D	6.00
11	ETAH	ETAH	S-NPP	78.58437	27.58110	13:30:00	D	3.80
12	FATEHPUR	FATEHPUR	S-NPP	80.81334	25.87529	13:30:00	D	5.20
13	FATEHPUR	FATEHPUR	S-NPP	80.81026	25.87648	13:30:00	D	3.20
14	FIROZABAD	SIKOHABAD	METOP-2	78.62737	27.02005	20:22:00	N	7.00
15	GAUTAMBUDHNAGAR	GAUTAMBUDHNAGAR	S-NPP	77.63458	28.32306	02:12:00	N	0.50
16	HARDOI	BILGRAM	S-NPP	80.00940	27.22906	02:12:00	N	1.20
17	HARDOI	SANDILA	S-NPP	80.43991	27.17609	13:30:00	D	2.60
18	HARDOI	SANDILA	S-NPP	80.43935	27.17980	13:30:00	D	2.60
19	JHANSI	MOTH	S-NPP	78.86240	25.80658	13:30:00	D	2.70
20	KANPUR DEHAT	SIKANDRA	S-NPP	79.73146	26.31774	02:12:00	N	0.80
21	KANPUR DEHAT	SIKANDRA	S-NPP	79.59772	26.39007	02:12:00	N	0.90
22	KHERI	GOLA	TERRA	80.54300	27.96900	10:50:00	D	5.80
23	KHERI	GOLA	S-NPP	80.35425	27.99050	13:30:00	D	11.20
24	KHERI	GOLA	S-NPP	80.31124	28.20006	13:30:00	D	10.40

25	KHERI	LAKHIMPUR	TERRA	80.55300	27.96800	10:50:00	D	4.50
26	MAHOBA	KULPAHAR	S-NPP	79.39878	25.42376	13:30:00	D	2.40
27	MAINPURI	BHOGAON	S-NPP	79.17789	27.20109	13:30:00	D	2.60
28	MATHURA	MAT	METOP-2	77.78296	27.72074	20:22:00	N	9.00
29	MATHURA	MAT	S-NPP	77.61096	27.82599	02:12:00	N	0.50
30	MATHURA	MATHURA	S-NPP	77.66901	27.30412	02:12:00	N	0.50
31	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	77.94408	29.70234	13:30:00	D	3.10
32	RAMPUR	BILASPUR	S-NPP	79.19604	28.89250	02:12:00	N	0.80
33	RAMPUR	BILASPUR	S-NPP	79.19248	28.89339	02:12:00	N	0.50
34	RAMPUR	BILASPUR	S-NPP	79.26501	28.94594	02:12:00	N	1.50
35	SHAMLI	KAIRANA	TERRA	77.28400	29.33900	10:50:00	D	7.50
36	SHARANPUR	NAKUR	S-NPP	77.21045	29.88691	13:30:00	D	3.70
37	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	77.50201	29.79215	13:30:00	D	1.90
38	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	77.55739	29.79285	13:30:00	D	1.50

The study used images received from following Satellites at IARI Satellite Ground Station

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both
4.	NOAA – 18	AVHRR	1000	Night
5.	NOAA – 19	AVHRR	1000	Night
6.	Metop - 1	AVHRR	1000	Night
7.	Metop - 2	AVHRR	1000	Night

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Softcopy of this report and latest statistics can be seen on <http://creams.iari.res.in>

GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)
