



**Bulletin
No. 51**

**Events Date:
20-Nov-2020**

**Issued on:
21-Nov-2020**



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



Prepared by:

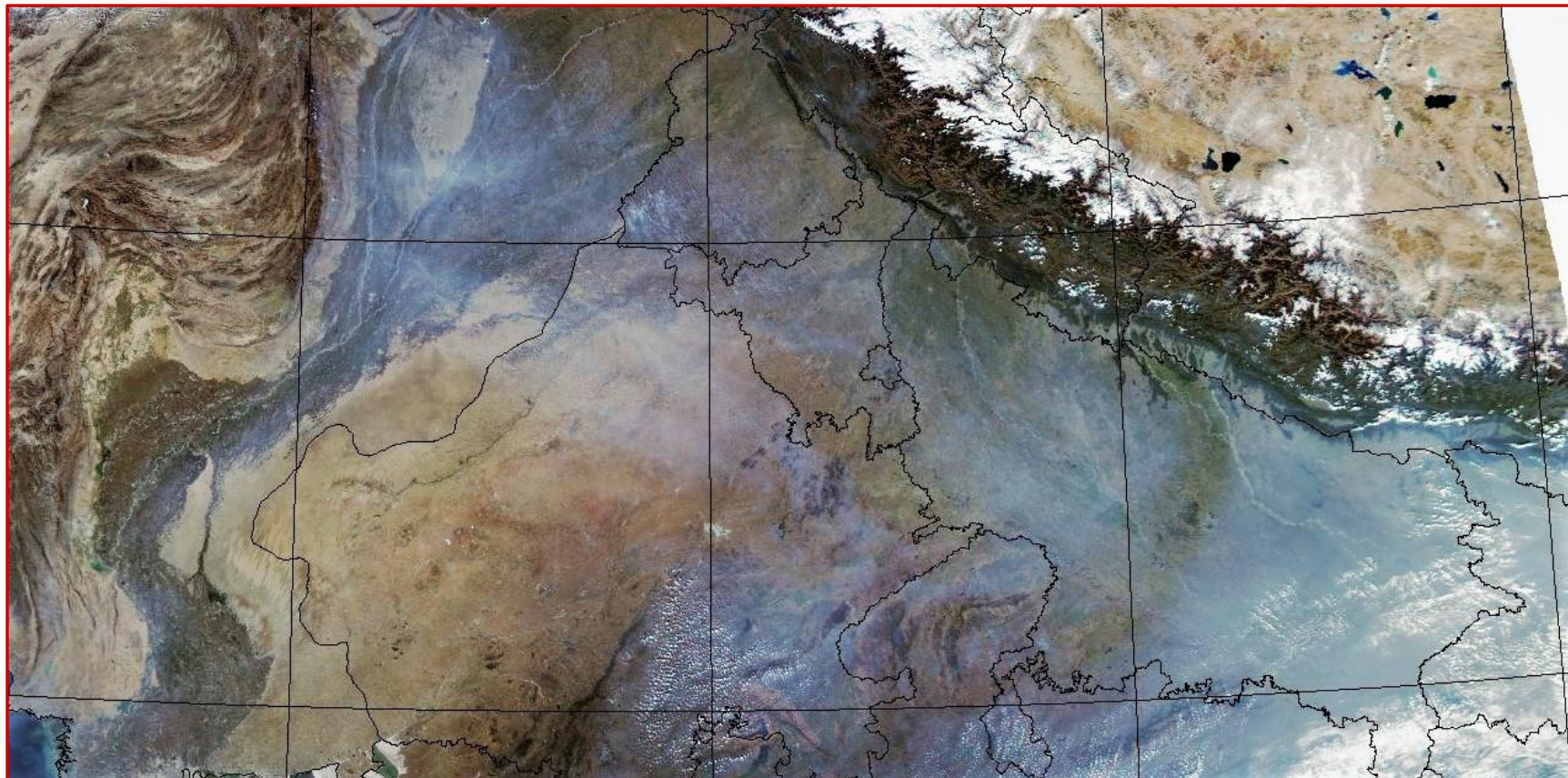
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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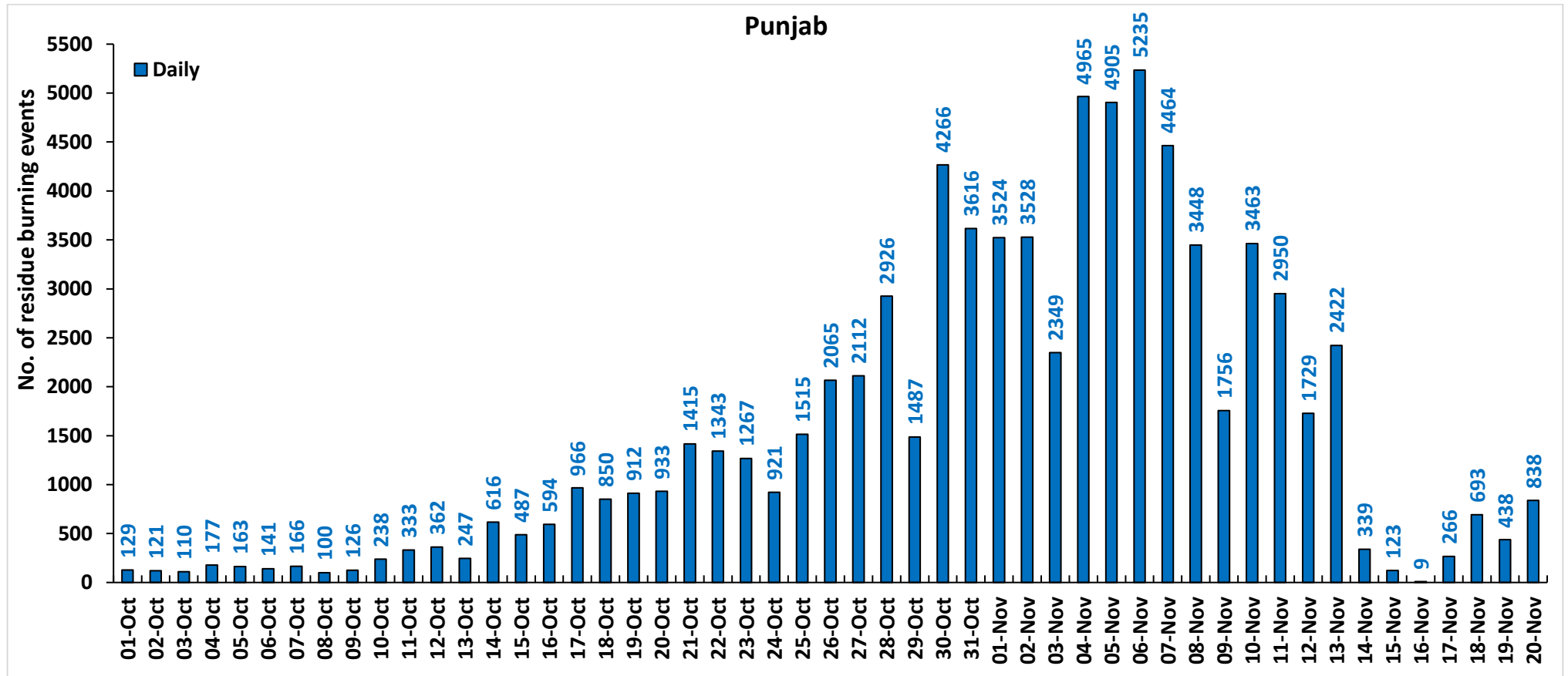
Highlights for 20-November-2020

- Satellites detected **1118** residue burning events in the three study States on **20-Nov-2020**.
- The state wise events detected on **20-Nov-2020** were **838** in Punjab, **120** in Haryana and **160** in UP.
- The number of events has increased from **594** on **19-Nov-2020** to **1118** on **20-Nov-2020** in the three states.
- Fazilka in Punjab, Fatehabad in Haryana and Jhansi in UP reported the highest number of events on **20-Nov-2020**.
- Total **86627** burning events were detected in the three States between **01-Oct-2020** and **20-Nov-2020**, which are distributed as **78148**, **5246** and **3233** in Punjab, Haryana and UP, respectively.
- In Haryana and UP, the cumulative number of burning events between **01-Oct** and **20-Nov 2020** were lower than in **2019**, while in Punjab the cumulative number of events were more than in **2019**.

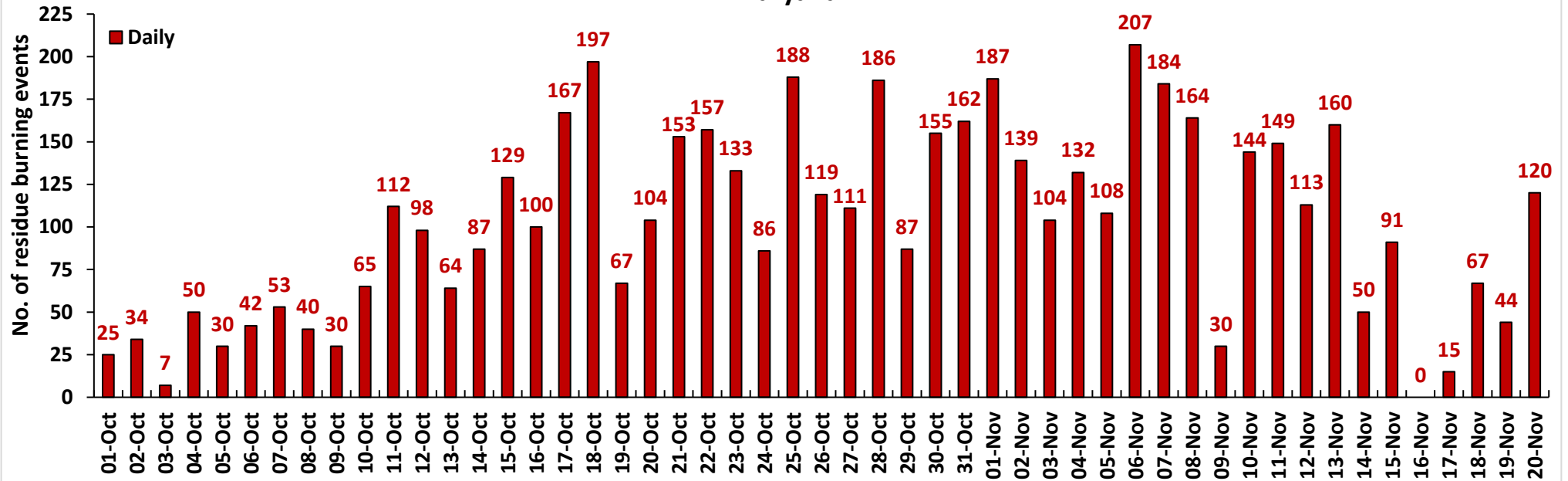
[AQUA \(MODIS\) Satellite image of North India Acquired on 20-Nov-2020 at 13:50 IST by IARI Ground Station](#)



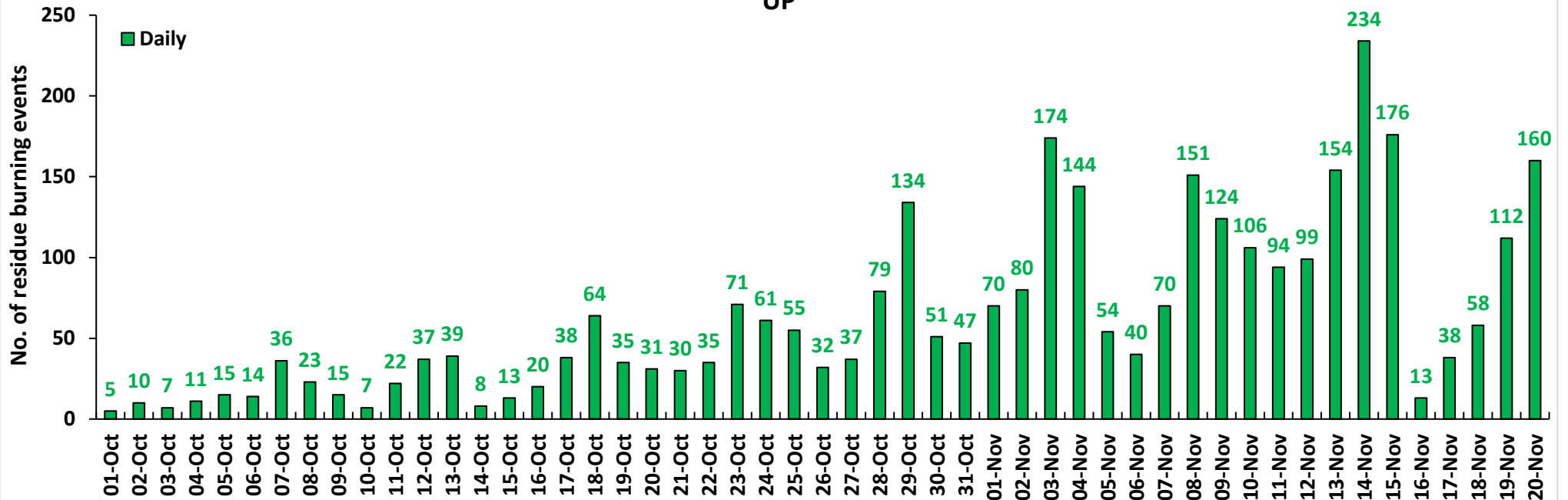
Temporal distribution of residue burning events for the three study States in 2020.



Haryana



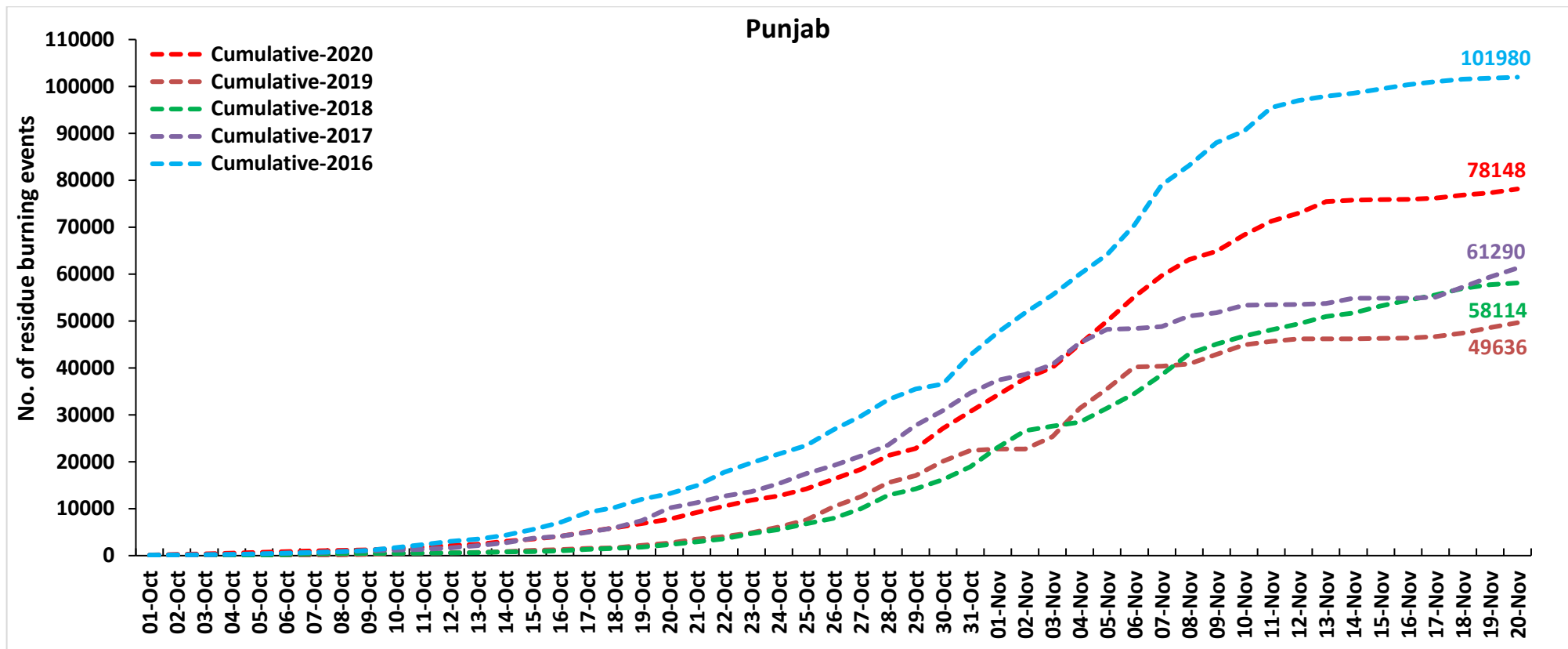
UP

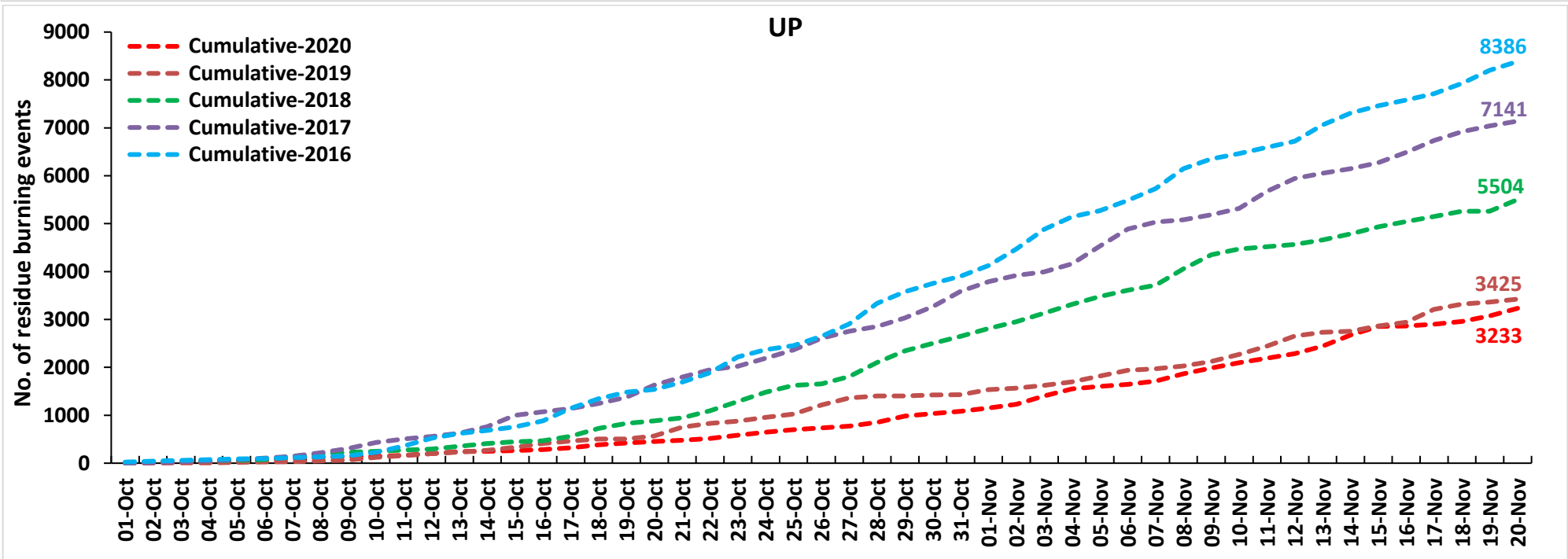
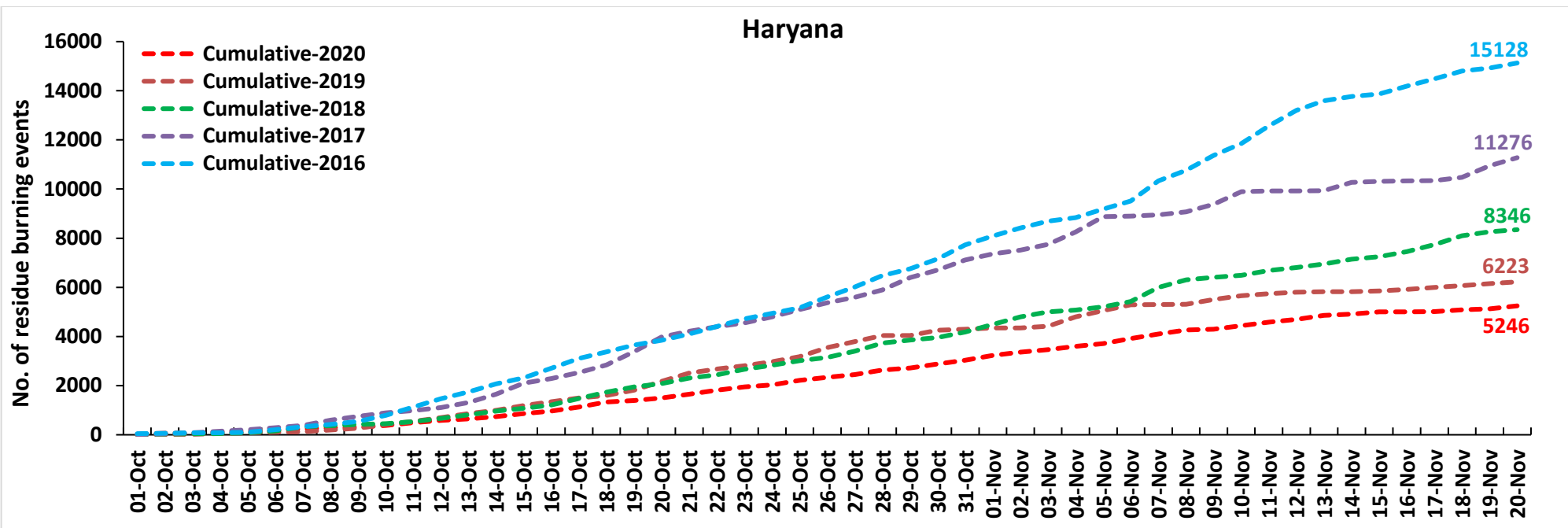


Comparison of residue burning events in current year (2020) with previous years (2019, 2018, 2017 & 2016) for the three study States

(01-Oct to 20-Nov)

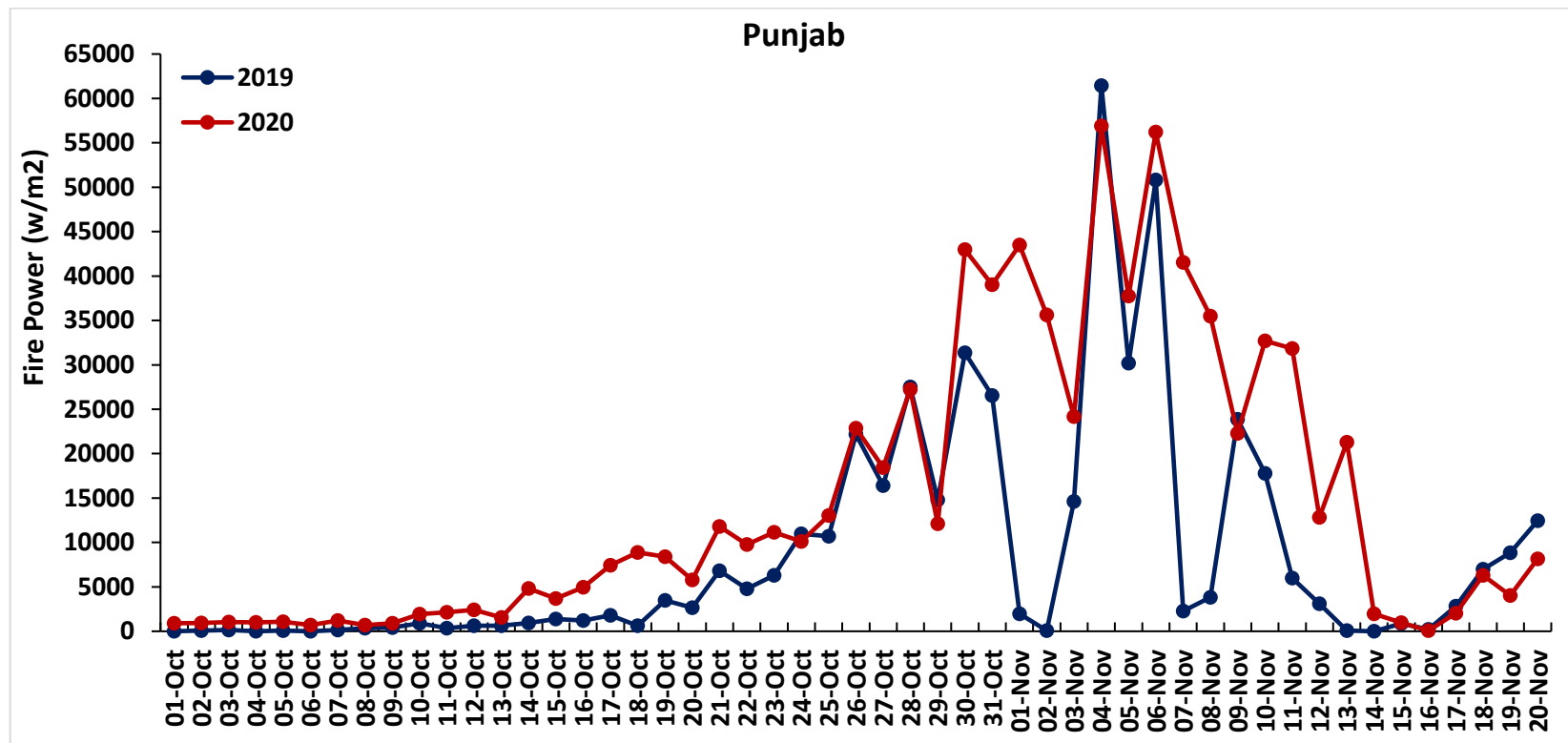
Punjab

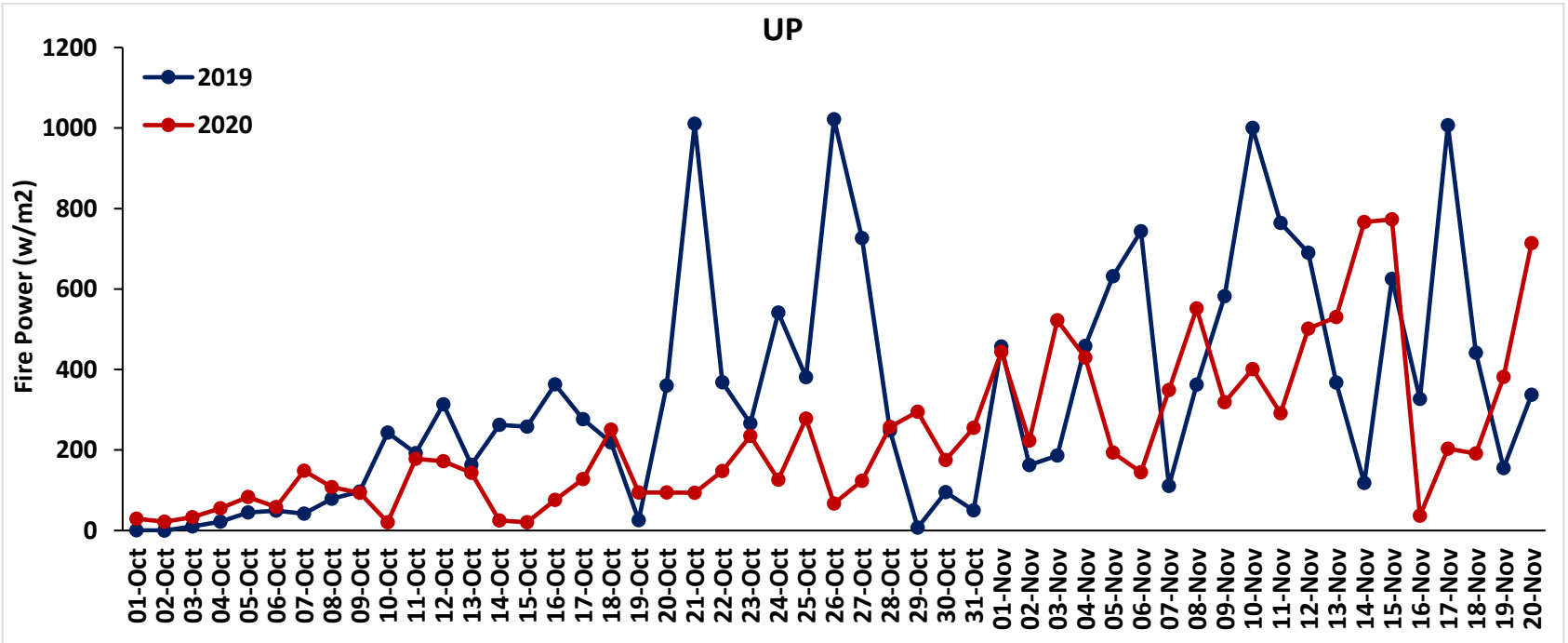
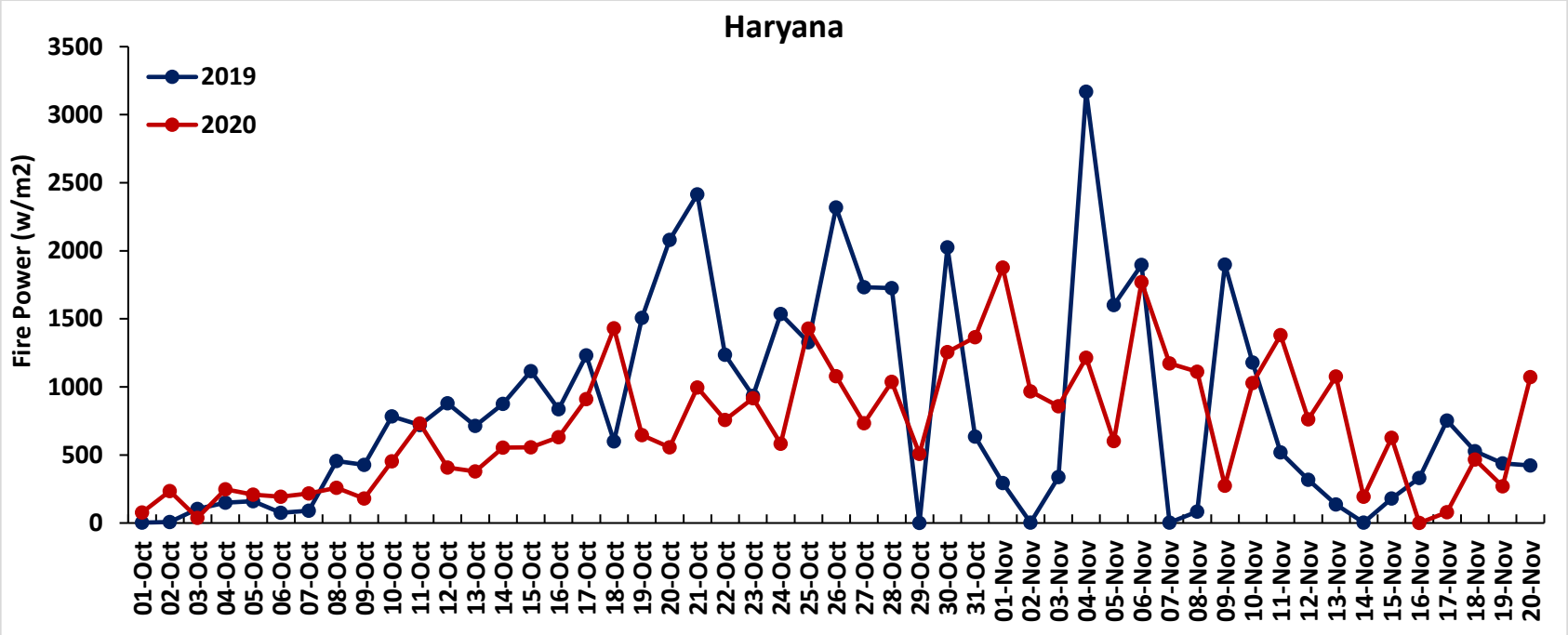




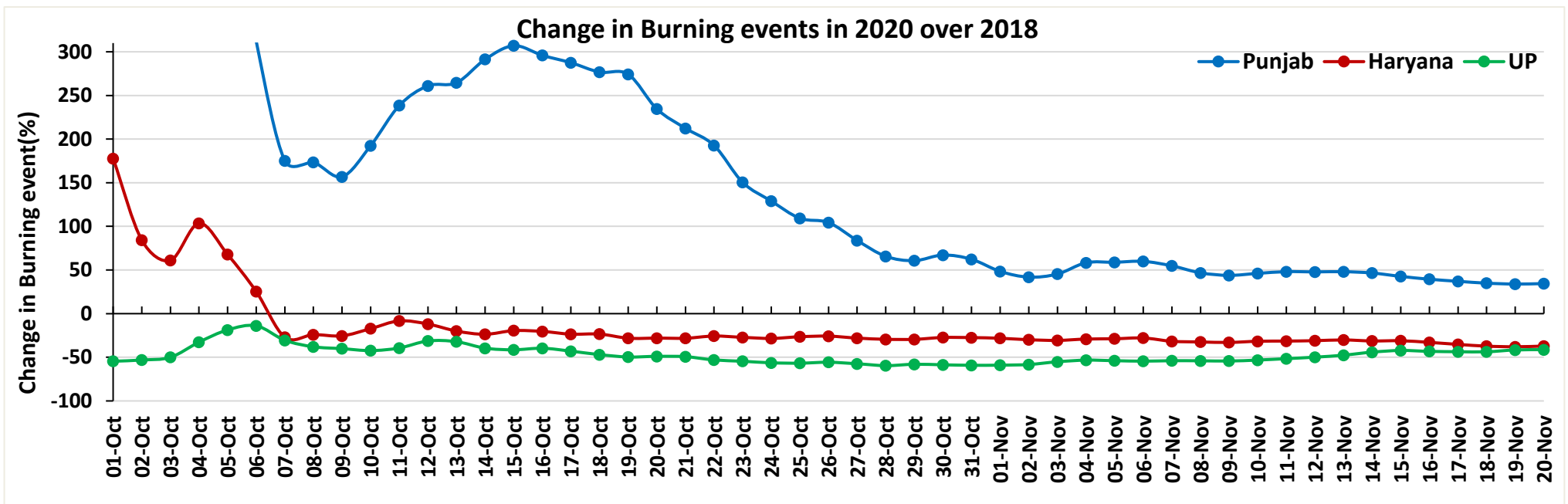
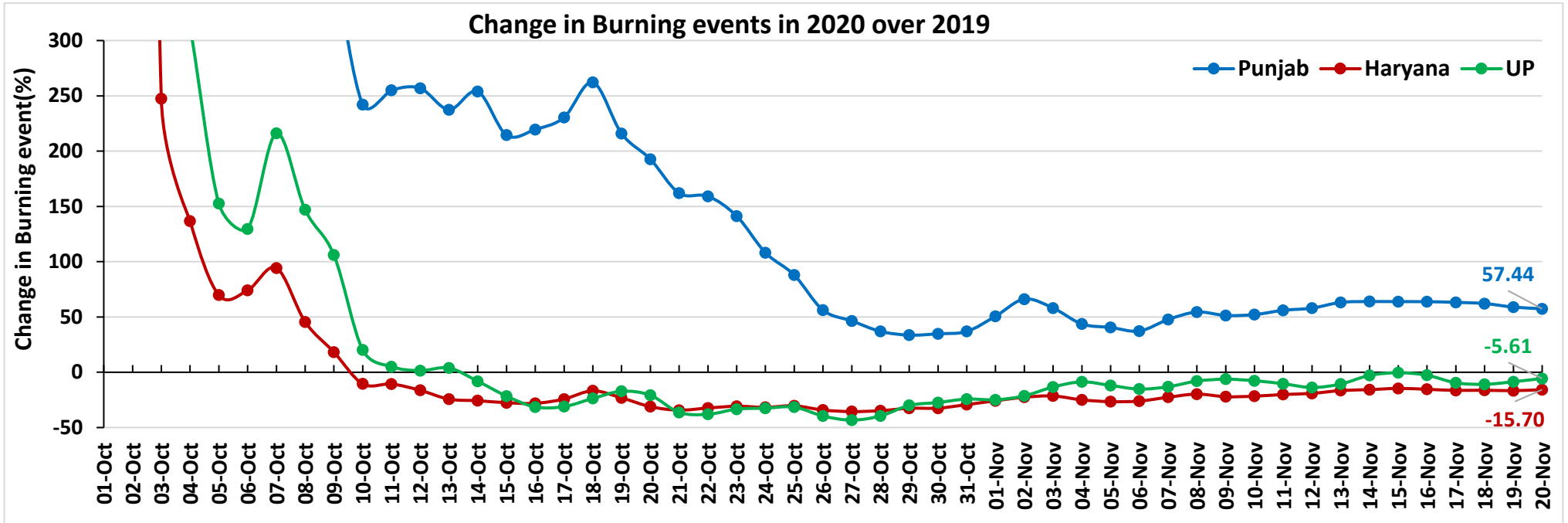
Comparison of Fire Intensity of residue burning events in current year (2020) with previous year (2019)
For the three study States

(01-Oct to 20-Nov)

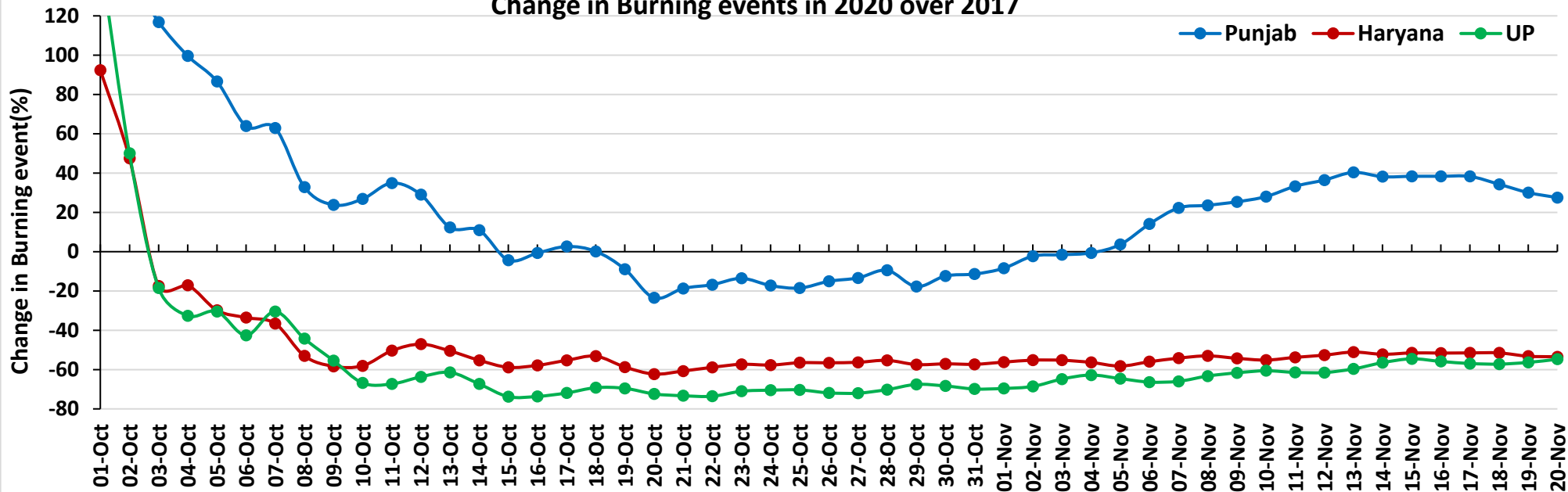




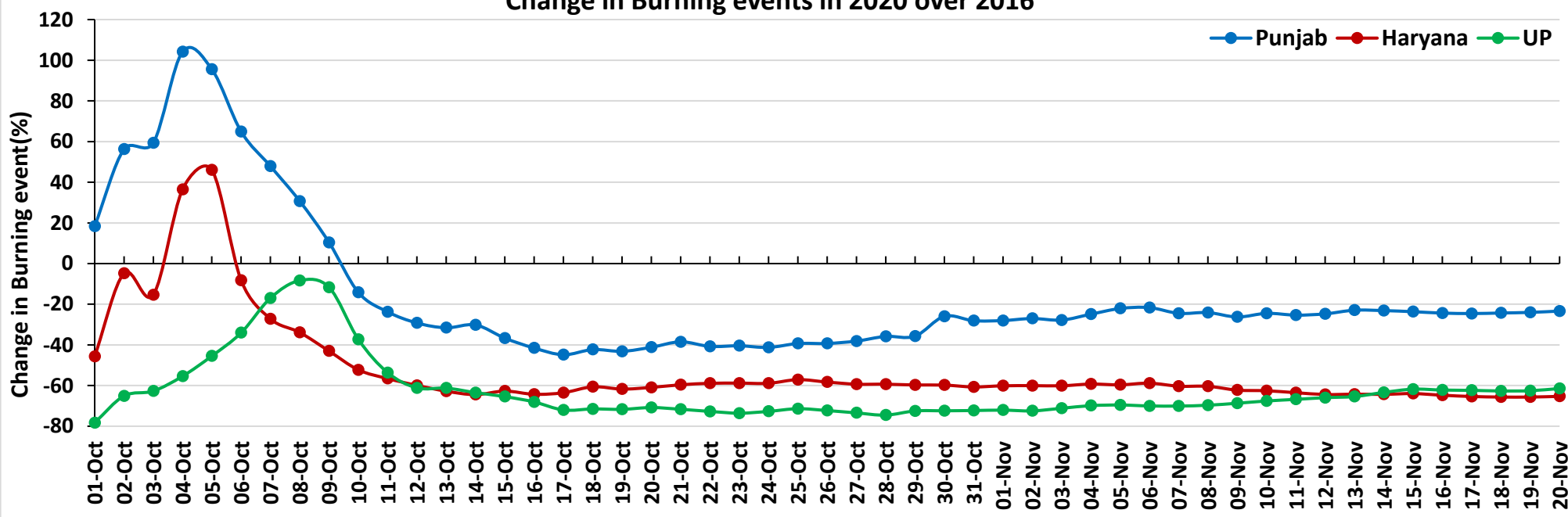
Percent Change in Burning events in 2020 over 2019, 2018, 2017 and 2016 (Daily Cumulative)



Change in Burning events in 2020 over 2017

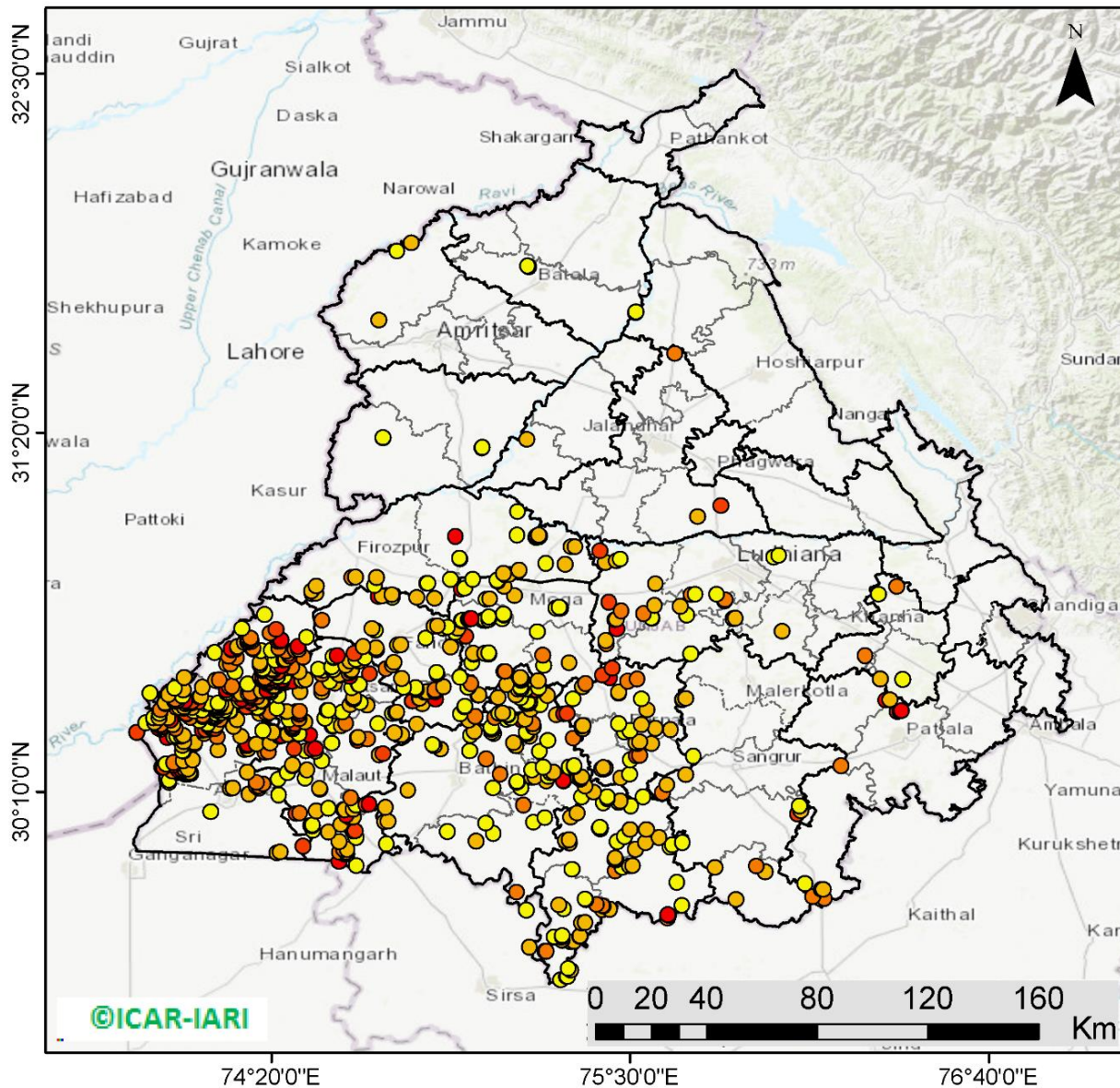


Change in Burning events in 2020 over 2016



(a) Punjab

RICE RESIDUE BURNING IN PUNJAB



838 burning events detected in Punjab on 20th November 2020

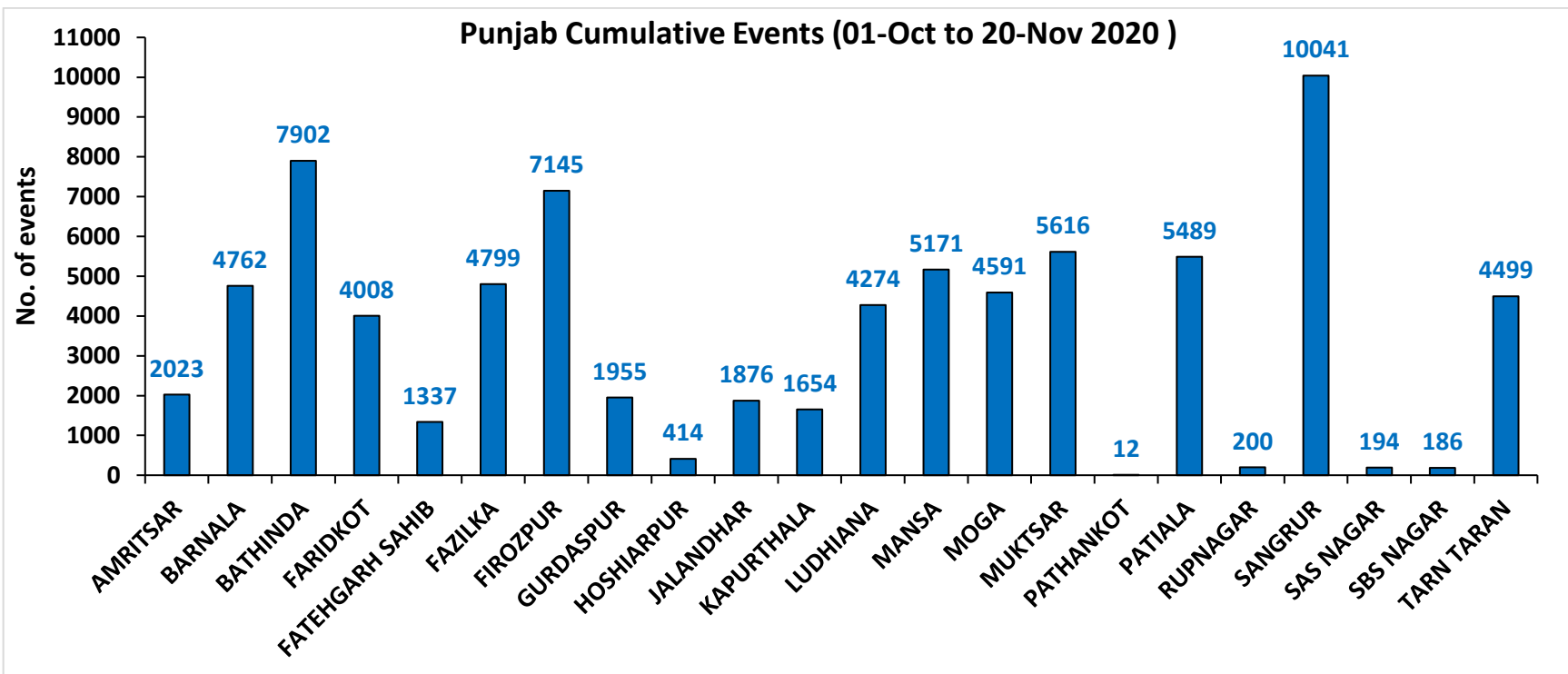
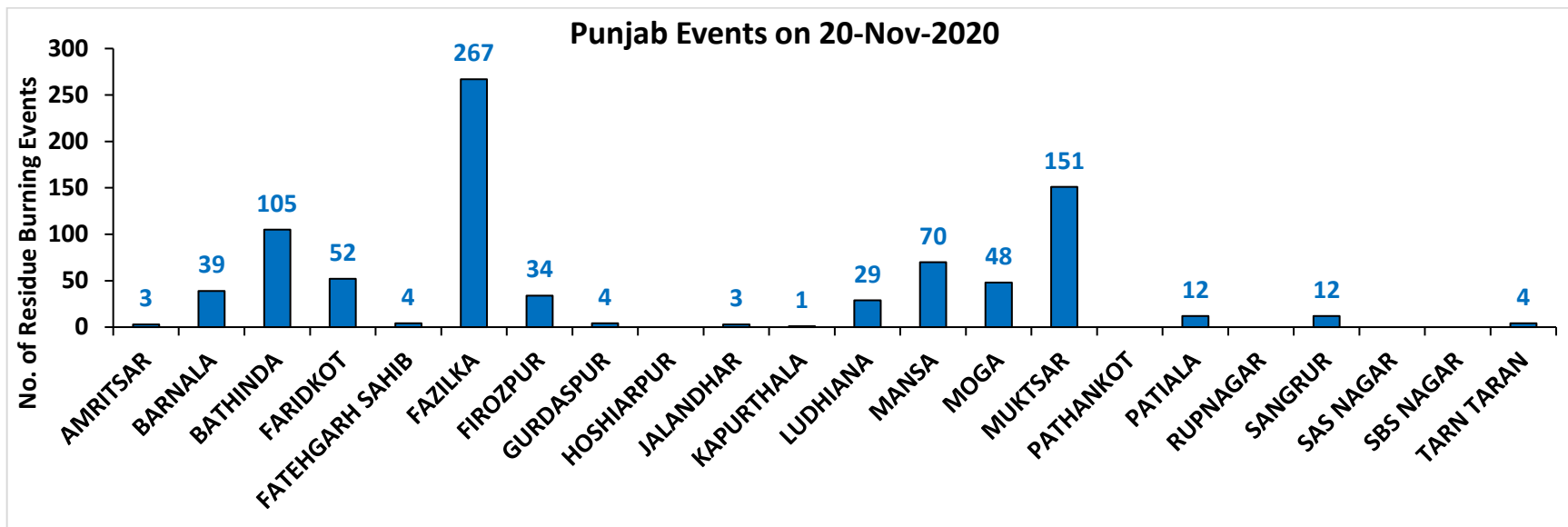
Fire Intensity (W/m²)

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



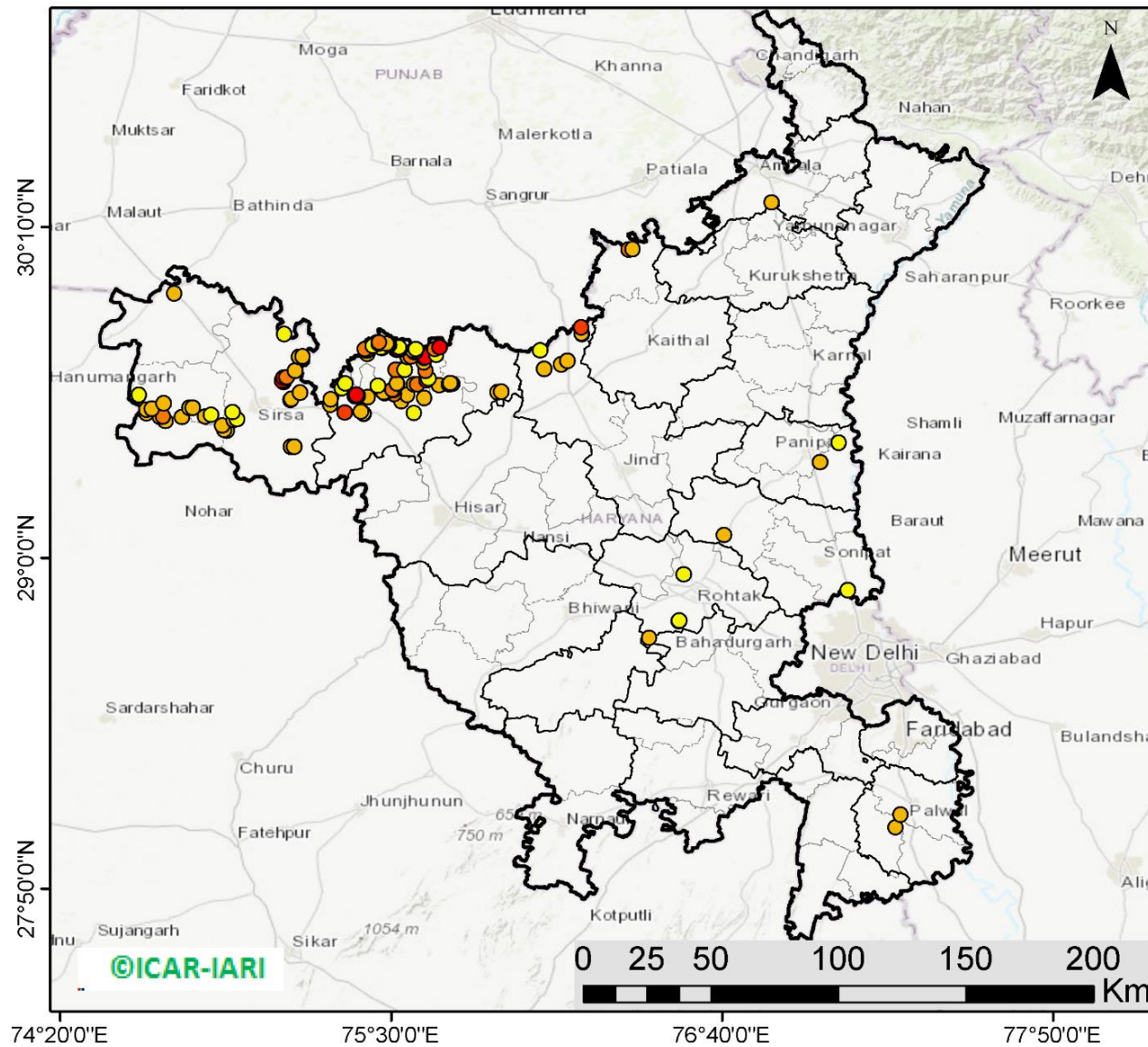
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise number of residue burning events in Punjab (01-Oct to 20-Nov 2020)



(b) Haryana

RICE RESIDUE BURNING IN HARYANA



120 burning events detected in Haryana on 20th November 2020

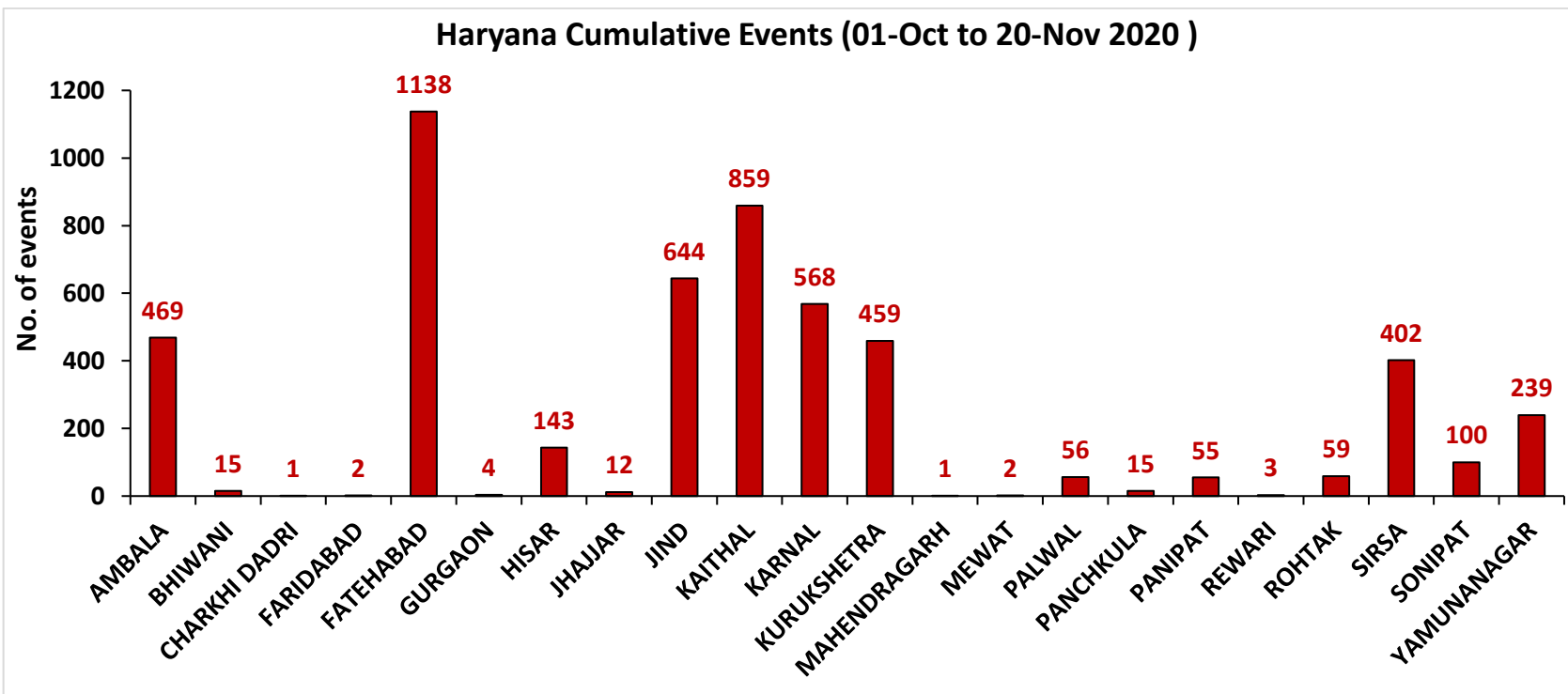
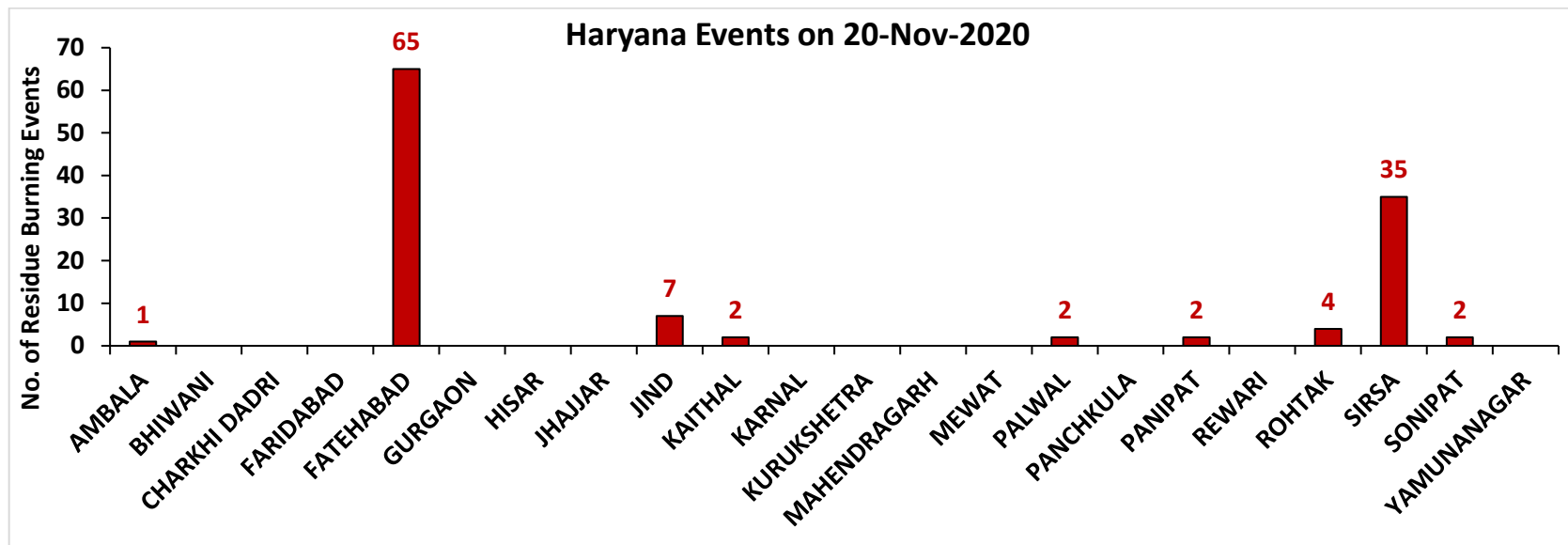
Fire Intensity (W/m²)

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



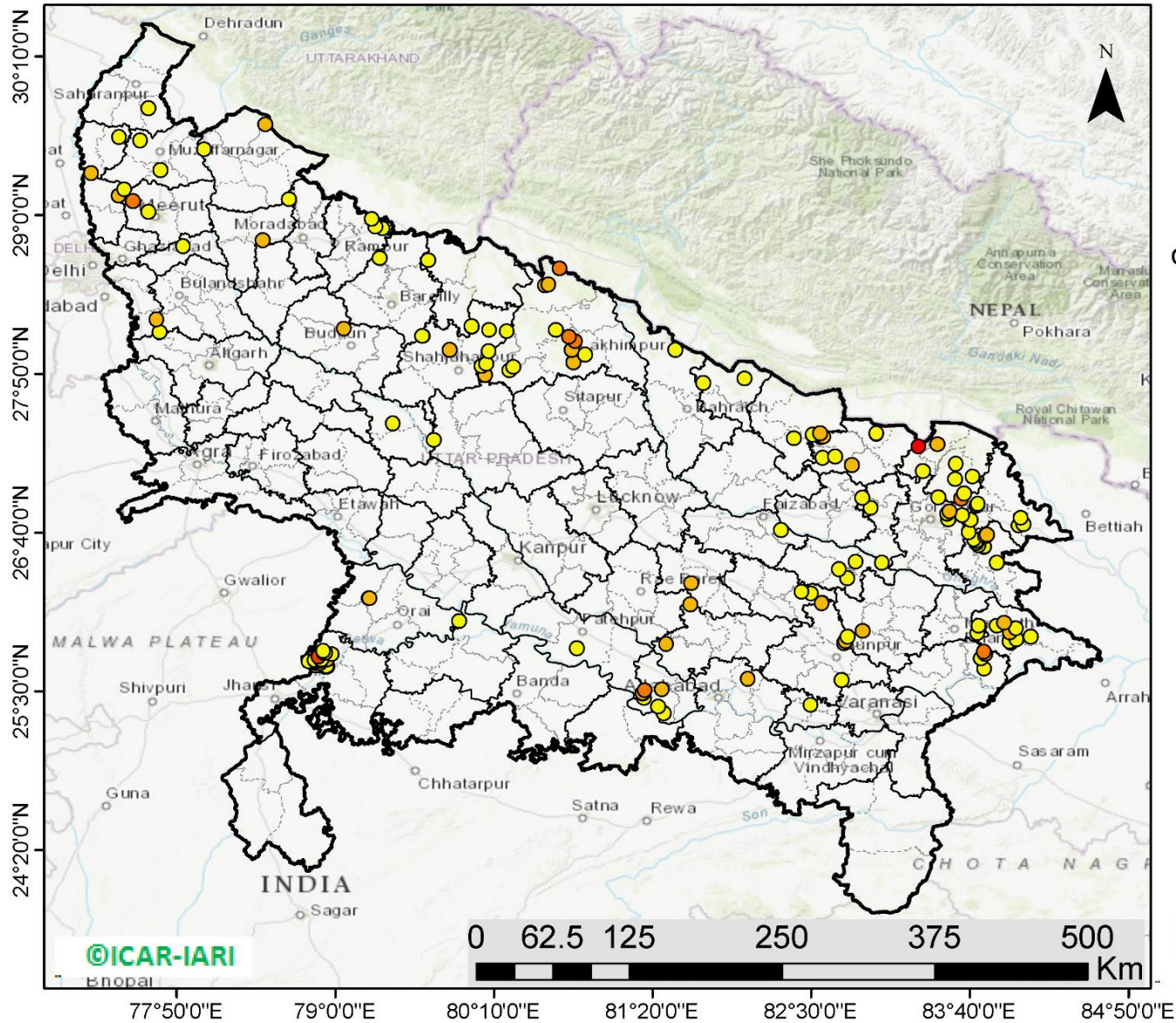
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise number of residue burning events in Haryana (01-Oct to 20-Nov 2020)



(c) Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



160 burning events detected in Uttar Pradesh on 20th November 2020

Fire Intensity (W/m²)

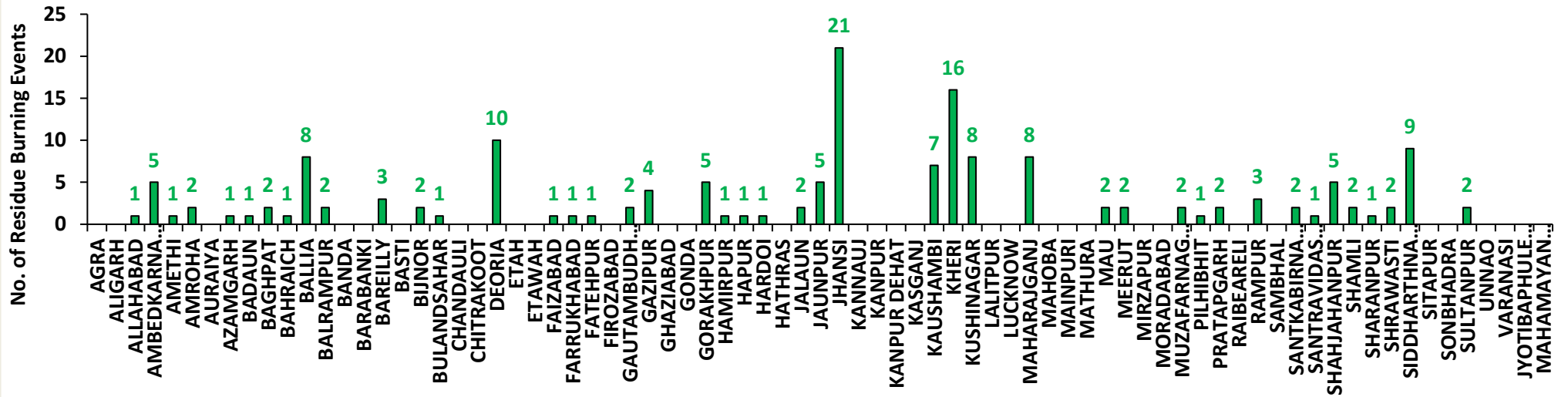
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



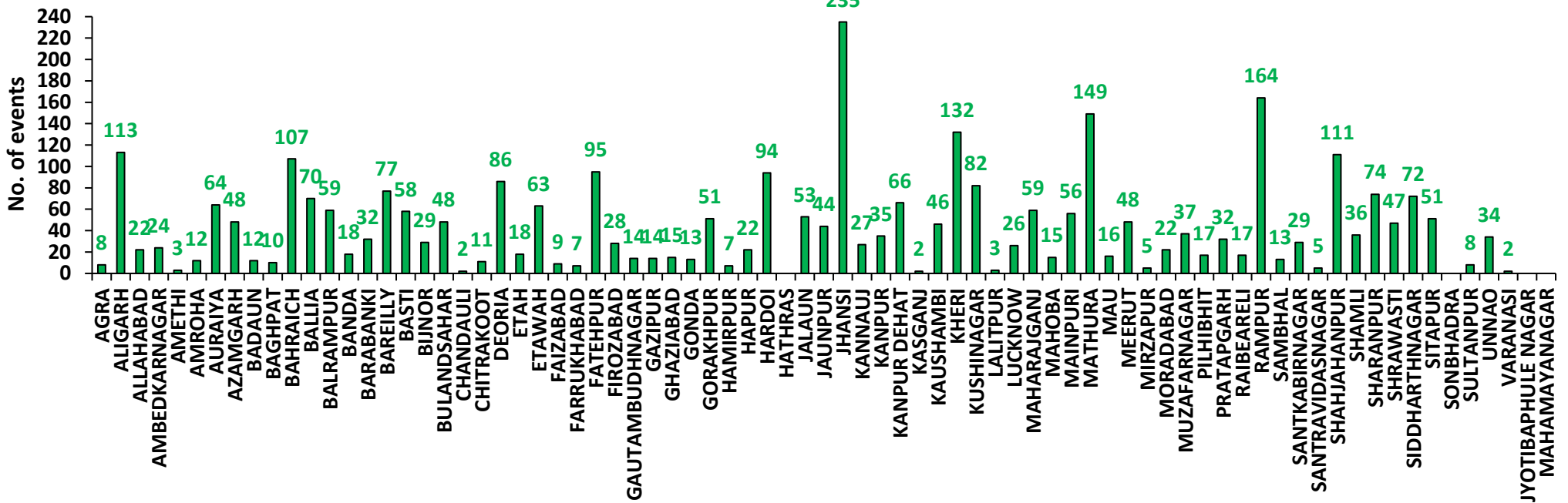
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise number of residue burning events in Uttar Pradesh (01-Oct to 20-Nov 2020)

Uttar Pradesh Events on 20-Nov-2020



Uttar Pradesh Cumulative Events (01-Oct to 20-Nov 2020)



State-wise and date-wise number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020
(Period: 01-October to 20-November)

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
18-Oct	850	100	263	970	1065	197	103	255	306	270	64	39	163	108	204	1111	242	681	1384	1539
19-Oct	912	529	254	1591	1762	67	220	208	541	276	35	3	108	128	132	1014	752	570	2260	2170
20-Oct	933	490	496	2653	1175	104	360	141	597	188	31	62	49	255	62	1068	912	686	3505	1425
21-Oct	1415	852	618	1139	1726	153	339	217	233	257	30	185	66	168	152	1598	1376	901	1540	2135
22-Oct	1343	555	656	1356	2837	157	158	134	186	309	35	78	149	151	194	1535	791	939	1693	3340
23-Oct	1267	827	1113	994	2040	133	131	232	155	313	71	48	193	72	331	1471	1006	1538	1221	2684
24-Oct	921	1220	844	1714	1836	86	165	166	244	221	61	79	192	171	152	1068	1464	1202	2129	2209
25-Oct	1515	1463	1247	2104	1813	188	212	182	303	229	55	67	142	175	83	1758	1742	1571	2582	2125
26-Oct	2065	2861	1173	1715	3390	119	366	132	276	434	32	189	33	240	195	2216	3416	1338	2231	4019
27-Oct	2112	2135	2040	2069	2904	111	249	252	224	417	37	145	154	145	255	2260	2529	2446	2438	3576
28-Oct	2926	3007	2864	2318	3493	186	238	330	292	458	79	45	290	99	435	3191	3290	3484	2709	4386
29-Oct	1487	1504	1321	4184	2258	87	0	124	502	278	134	1	243	180	237	1708	1505	1688	4866	2773
30-Oct	4266	3017	2008	3152	1076	155	222	103	307	395	51	19	158	238	175	4472	3258	2269	3697	1646
31-Oct	3616	2325	2715	3743	6132	162	36	229	413	575	47	4	148	321	153	3825	2365	3092	4477	6860
01-Nov	3524	293	4140	2736	4843	187	50	306	250	362	70	105	161	199	223	3781	448	4607	3185	5428
02-Nov	3528	6	3550	1246	4183	139	2	306	145	332	80	33	142	131	345	3747	41	3998	1522	4860

03-Nov	2349	2646	972	2109	3806	104	68	202	240	375	174	56	181	75	409	2627	2770	1355	2424	4490
04-Nov	4965	6001	882	4603	4477	132	383	77	499	146	144	75	183	168	265	5241	6459	1142	5270	4888
05-Nov	4905	4199	2989	2876	4137	108	253	129	625	345	54	124	163	367	125	5067	4576	3281	3868	4607
06-Nov	5235	4642	3071	171	6303	207	243	222	26	322	40	118	130	357	215	5482	5003	3423	554	6840
07-Nov	4464	189	4033	420	8575	184	2	568	46	821	70	33	108	149	244	4718	224	4709	615	9640
08-Nov	3448	462	4450	2256	4129	164	16	313	128	432	151	54	338	43	419	3763	532	5101	2427	4980
09-Nov	1756	2003	2083	675	4857	30	199	96	311	608	124	96	294	107	205	1910	2298	2473	1093	5670
10-Nov	3463	2046	1675	1642	2468	144	151	85	509	484	106	147	125	131	109	3713	2344	1885	2282	3061
11-Nov	2950	783	1364	103	5040	149	78	196	29	716	94	174	45	358	129	3193	1035	1605	490	5885
12-Nov	1729	520	1256	33	1477	113	68	122	3	634	99	210	45	269	129	1941	798	1423	305	2240
13-Nov	2422	10	1563	237	885	160	16	146	7	389	154	79	94	109	338	2736	105	1803	353	1612
14-Nov	339	0	765	1101	692	50	1	189	340	171	234	22	128	95	247	623	23	1082	1536	1110
15-Nov	123	92	1480	5	871	91	29	107	40	107	176	111	146	123	154	390	232	1733	168	1132
16-Nov	9	23	1250	8	911	0	59	204	17	318	13	79	112	218	123	22	161	1566	243	1352
17-Nov	266	332	1132	217	638	15	85	289	12	299	38	265	103	249	130	319	682	1524	478	1067
18-Nov	693	740	1400	2147	568	67	70	356	139	312	58	113	111	180	217	818	923	1867	2466	1097
19-Nov	438	1221	752	2200	168	44	82	159	471	125	112	39	3	122	273	594	1342	914	2793	566
20-Nov	838	1007	385	1857	240	120	74	88	325	204	160	64	243	101	183	1118	1145	716	2283	627
Total	78148	49636	58114	61290	101980	5246	6223	8346	11276	15128	3233	3425	5504	7141	8386	86627	59284	71964	79707	125494

**District-wise and date-wise cumulative number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020
(Period: 01-Oct to 20-Nov)**

(a) Punjab

Districts	01-Oct to 20-Nov				
	2016	2017	2018	2019	2020
AMRITSAR	2163	1283	1262	1382	2023
BARNALA	5689	2965	3226	2957	4762
BATHINDA	8821	5059	6254	5267	7902
FARIDKOT	4621	3282	3015	2264	4008
FATEHGARH					
SAHIB	2457	1618	851	818	1337
FAZILKA	0	0	0	2348	4799
FIROZPUR	13515	8669	9617	4599	7145
GURDASPUR	2207	1532	1131	1465	1955
HOSHIARPUR	899	480	196	309	414
JALANDHAR	4658	2016	1364	1502	1876
KAPURTHALA	3134	1564	741	1351	1654
LUDHIANA	9513	4130	2825	2263	4274
MANSA	5618	4284	4259	3543	5171
MOGA	6391	2201	2686	2143	4591
MUKTSAR	6978	4636	5548	3422	5616
PATHANKOT	0	0	0	6	12
PATIALA	6536	5020	4201	3850	5489
RUPNAGAR	715	326	83	118	200
SANGRUR	11853	8289	7750	6357	10041
SAS NAGAR	114	107	104	150	194
SBS NAGAR	1604	800	371	263	186
TARN TARAN	4494	3029	2630	3259	4499
Total	101980	61290	58114	49636	78148

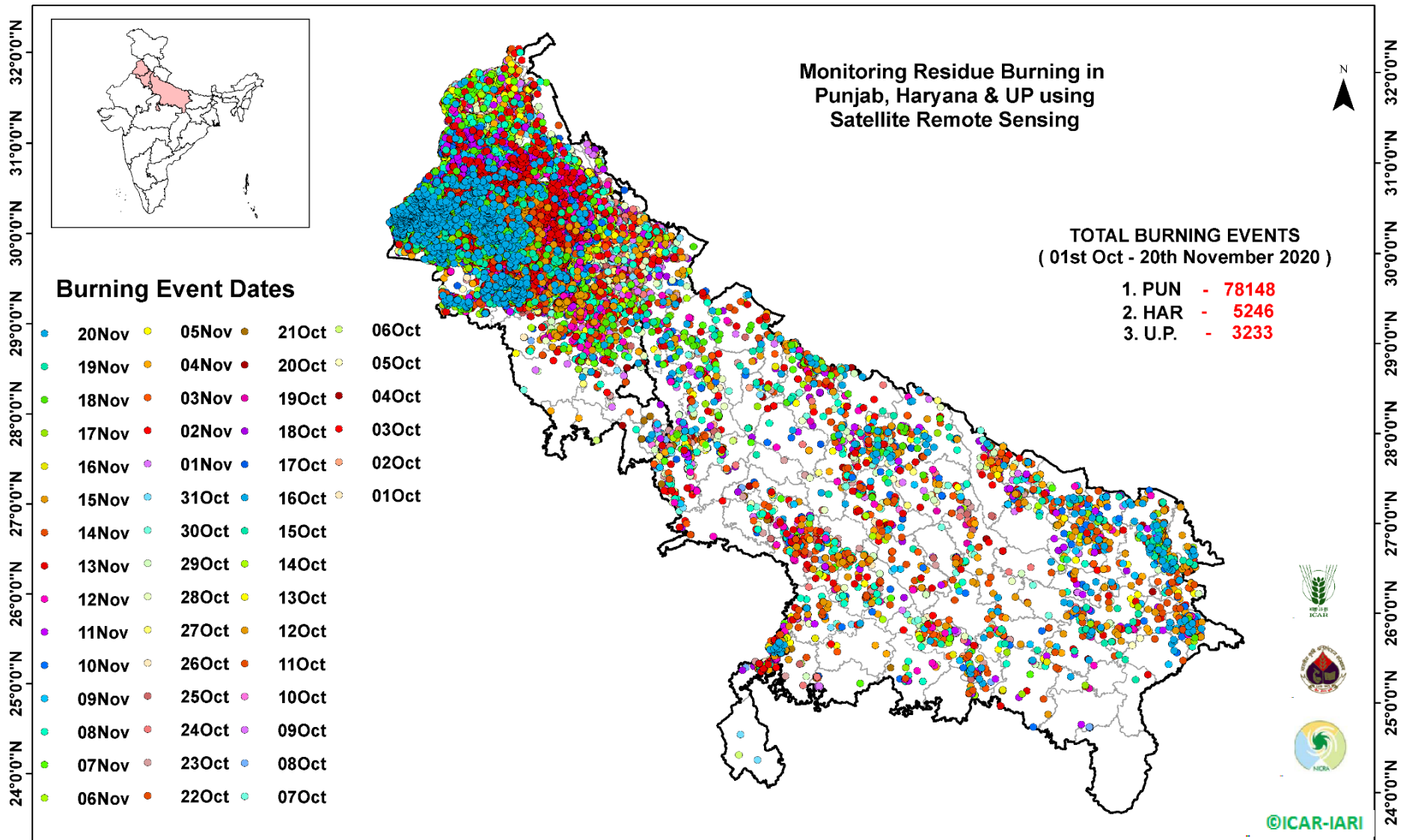
(b) Haryana

Districts	01-Oct to 20-Nov				
	2016	2017	2018	2019	2020
AMBALA	530	492	326	337	469
BHIWANI	74	27	13	11	15
CHARKHI DADRI	0	0	0	0	1
FARIDABAD	286	341	185	10	2
FATEHABAD	4746	3283	2293	1160	1138
GURGAON	0	0	0	4	4
HISAR	379	169	173	114	143
JHAJJAR	28	16	21	3	12
JIND	850	919	833	571	644
KAITHAL	1747	1505	1287	1253	859
KARNAL	1625	1494	841	1080	568
KURUKSHETRA	1076	1143	680	738	459
MAHENDRAGARH	0	0	0	2	1
MEWAT	0	0	0	3	2
PALWAL	0	0	0	188	56
PANCHKULA	0	0	3	21	15
PANIPAT	79	80	56	36	55
REWARI	0	0	0	3	3
ROHTAK	85	55	28	19	59
SIRSA	3303	1386	1386	390	402
SONIPAT	81	58	30	30	100
YAMUNANAGAR	239	308	191	250	239
Total	15128	11276	8346	6223	5246

(C)
Uttar Pradesh

Districts	01-Oct to 20-Nov																
	2016	2017	2018	2019	2020	GAUTAMBUDHNAGAR	20	35	12	16	14	MUZAFARNAGAR	119	126	39	25	37
AGRA	0	0	0	4	8	GAZIPUR	13	11	12	11	14	PILHIBIT	933	713	428	345	17
ALIGARH	53	77	92	90	113	GHAZIABAD	68	42	28	14	15	PRATAPGARH	36	34	28	15	32
ALLAHABAD	5	8	13	9	22	GONDA	46	33	18	8	13	RAIBEARELI	78	61	39	18	17
AMBEDKARNAGAR	66	33	15	7	24	GORAKHPUR	59	99	111	13	51	RAMPUR	617	619	221	311	164
AMETHI	0	0	0	6	3	HAMIRPUR	0	0	1	31	7	SAMBHAL	0	0	0	8	13
AMROHA	0	0	0	8	12	HAPUR	0	0	0	11	22	SANTKABIRNAGAR	53	59	49	11	29
AURAIYA	213	177	54	39	64	HARDOI	235	193	108	79	94	SANTRAVIDASNAGAR	0	0	0	0	5
AZAMGARH	32	26	23	2	48	HATHRAS	0	0	0	1	0	SHAHJAHANPUR	1127	676	374	337	111
BADAUN	6	7	9	22	12	JALAUN	0	0	0	114	53	SHAMLI	0	0	0	23	36
BAGHPAT	0	0	0	10	10	JAUNPUR	15	13	16	6	44	SHARANPUR	96	111	58	66	74
BAHRAICH	65	39	57	43	107	JHANSI	0	0	2	128	235	SHRAWASTI	32	29	36	20	47
BALLIA	17	22	14	16	70	KANNAUJ	28	14	6	8	27	SIDDHARTHANAGAR	237	168	452	43	72
BALRAMPUR	33	27	39	6	59	KANPUR	14	7	12	7	35	SITAPUR	120	71	39	39	51
BANDA	2	14	8	9	18	KANPUR DEHAT	49	48	19	33	66	SONBHADRA	14	13	11	0	0
BARABANKI	213	152	171	59	32	KASGANJ	0	0	0	5	2	SULTANPUR	53	28	25	14	8
BAREILLY	242	201	114	109	77	KAUSHAMBI	20	39	37	15	46	UNNAO	60	47	39	28	34
BASTI	137	180	111	20	58	KHERI	418	256	191	170	132	VARANASI	1	0	0	0	2
BIJNOR	50	41	8	13	29	KUSHINAGAR	45	95	98	20	82	JYOTIBAPHULE NAGAR	10	13	4	0	0
BULANDSAHAR	25	29	13	23	48	LALITPUR	0	0	0	6	3	MAHAMAYANAGAR	2	2	8	0	0
CHANDAULI	7	7	1	0	2	LUCKNOW	60	30	26	22	26	Total	8386	7141	5504	3425	3233
CHITRAKOOT	0	0	0	4	11	MAHARAJGANJ	595	882	877	213	59						
DEORIA	56	54	47	5	86	MAHOBA	0	0	0	9	15						
ETAH	17	30	25	4	18	MAINPURI	79	83	43	39	56						
ETAWAH	127	99	41	48	63	MATHURA	1442	1082	1048	462	149						
FAIZABAD	13	10	8	5	9	MAU	12	9	10	6	16						
FARRUKHABAD	0	0	0	6	7	MEERUT	71	69	18	23	48						
FATEHPUR	57	36	72	54	95	MIRZAPUR	4	12	6	3	5						
FIROZABAD	23	18	9	14	28	MORADABAD	46	32	11	14	22						

Map of Cumulative Burning Events (01-Oct to 20-Nov 2020)



[\(http://geoportal.icar.gov.in:8080/geoexplorer/composer/\)](http://geoportal.icar.gov.in:8080/geoexplorer/composer/)

Details of residue burning events in Punjab on 20-Nov-2020

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	AMRITSAR	AJNALA	S-NPP	31.69933	74.68312	12:54:00	D	5.20
2	AMRITSAR	AJNALA	S-NPP	31.92327	74.74229	12:54:00	D	2.40
3	AMRITSAR	AJNALA	S-NPP	31.94995	74.78793	12:54:00	D	6.40
4	BARNALA	BARNALA	AQUA	30.32300	75.52500	13:50:00	D	19.60
5	BARNALA	BARNALA	AQUA	30.32600	75.51900	13:50:00	D	8.80
6	BARNALA	BARNALA	AQUA	30.32800	75.53100	13:50:00	D	9.60
7	BARNALA	BARNALA	S-NPP	30.36123	75.48268	12:54:00	D	1.50
8	BARNALA	BARNALA	S-NPP	30.36537	75.50066	12:54:00	D	3.60
9	BARNALA	BARNALA	AQUA	30.36900	75.63200	13:50:00	D	5.20
10	BARNALA	BARNALA	AQUA	30.37300	75.58300	13:50:00	D	8.70
11	BARNALA	BARNALA	S-NPP	30.38414	75.53677	12:54:00	D	8.90
12	BARNALA	BARNALA	S-NPP	30.38731	75.46244	12:54:00	D	1.60
13	BARNALA	BARNALA	S-NPP	30.43246	75.55527	14:30:00	D	6.20
14	BARNALA	BARNALA	S-NPP	30.46545	75.67111	14:30:00	D	6.50
15	BARNALA	BARNALA	S-NPP	30.46691	75.67148	14:30:00	D	8.90
16	BARNALA	BARNALA	S-NPP	30.46770	75.53728	12:54:00	D	4.60
17	BARNALA	BARNALA	S-NPP	30.46799	75.31443	12:54:00	D	1.50
18	BARNALA	BARNALA	S-NPP	30.48705	75.46287	14:30:00	D	11.40
19	BARNALA	BARNALA	S-NPP	30.48964	75.46284	14:30:00	D	9.20
20	BARNALA	BARNALA	AQUA	30.50800	75.34600	13:50:00	D	5.10
21	BARNALA	BARNALA	S-NPP	30.52528	75.49193	12:54:00	D	11.20
22	BARNALA	BARNALA	S-NPP	30.52556	75.49204	12:54:00	D	11.80
23	BARNALA	BARNALA	S-NPP	30.53263	75.52435	12:54:00	D	4.90
24	BARNALA	BARNALA	S-NPP	30.53311	75.52436	12:54:00	D	10.10
25	BARNALA	BARNALA	AQUA	30.53800	75.43500	13:50:00	D	47.40
26	BARNALA	BARNALA	AQUA	30.56800	75.44200	13:50:00	D	19.90
27	BARNALA	TAPPA	S-NPP	30.15007	75.54276	12:54:00	D	1.50
28	BARNALA	TAPPA	S-NPP	30.21115	75.46993	12:54:00	D	5.60
29	BARNALA	TAPPA	S-NPP	30.22295	75.49800	12:54:00	D	1.40
30	BARNALA	TAPPA	S-NPP	30.24067	75.41493	12:54:00	D	8.60

31	BARNALA	TAPPA	AQUA	30.24100	75.40800	13:50:00	D	11.90
32	BARNALA	TAPPA	S-NPP	30.24144	75.41826	12:54:00	D	14.80
33	BARNALA	TAPPA	AQUA	30.24300	75.42000	13:50:00	D	10.10
34	BARNALA	TAPPA	S-NPP	30.24562	75.41343	12:54:00	D	8.60
35	BARNALA	TAPPA	S-NPP	30.27100	75.50098	12:54:00	D	3.20
36	BARNALA	TAPPA	S-NPP	30.28164	75.70674	12:54:00	D	3.80
37	BARNALA	TAPPA	AQUA	30.28400	75.52000	13:50:00	D	19.40
38	BARNALA	TAPPA	AQUA	30.28500	75.53100	13:50:00	D	12.10
39	BARNALA	TAPPA	S-NPP	30.32284	75.56927	14:30:00	D	7.50
40	BARNALA	TAPPA	AQUA	30.37200	75.34500	13:50:00	D	5.80
41	BARNALA	TAPPA	S-NPP	30.38064	75.34436	12:54:00	D	6.90
42	BARNALA	TAPPA	S-NPP	30.38142	75.34768	12:54:00	D	6.90
43	BATHINDA	BATHINDA	AQUA	29.99700	74.70900	13:50:00	D	5.00
44	BATHINDA	BATHINDA	AQUA	30.06800	74.70200	13:50:00	D	5.30
45	BATHINDA	BATHINDA	AQUA	30.07000	74.71300	13:50:00	D	7.30
46	BATHINDA	BATHINDA	AQUA	30.11600	74.70500	13:50:00	D	7.10
47	BATHINDA	BATHINDA	AQUA	30.12500	74.64100	13:50:00	D	16.40
48	BATHINDA	BATHINDA	AQUA	30.12600	74.65200	13:50:00	D	25.60
49	BATHINDA	BATHINDA	AQUA	30.17100	74.77800	13:50:00	D	8.90
50	BATHINDA	BATHINDA	S-NPP	30.17873	75.05494	12:54:00	D	1.40
51	BATHINDA	BATHINDA	S-NPP	30.19646	75.13133	12:54:00	D	3.50
52	BATHINDA	BATHINDA	S-NPP	30.19726	75.13478	12:54:00	D	4.40
53	BATHINDA	BATHINDA	S-NPP	30.19942	75.13301	12:54:00	D	4.70
54	BATHINDA	BATHINDA	S-NPP	30.22323	75.07838	14:30:00	D	11.90
55	BATHINDA	BATHINDA	S-NPP	30.23753	75.18021	12:54:00	D	1.90
56	BATHINDA	BATHINDA	S-NPP	30.27289	75.03245	12:54:00	D	12.60
57	BATHINDA	BATHINDA	S-NPP	30.29927	74.97794	12:54:00	D	1.30
58	BATHINDA	BATHINDA	AQUA	30.30400	74.88400	13:50:00	D	5.30
59	BATHINDA	BATHINDA	S-NPP	30.31440	75.12827	14:30:00	D	5.90
60	BATHINDA	BATHINDA	S-NPP	30.31558	74.86310	12:54:00	D	2.60
61	BATHINDA	BATHINDA	S-NPP	30.31982	74.85796	12:54:00	D	1.70
62	BATHINDA	BATHINDA	AQUA	30.32500	75.12100	13:50:00	D	7.40
63	BATHINDA	BATHINDA	S-NPP	30.34889	74.98140	12:54:00	D	3.70

64	BATHINDA	BATHINDA	AQUA	30.35000	74.74600	13:50:00	D	5.50
65	BATHINDA	BATHINDA	S-NPP	30.35435	75.16483	12:54:00	D	2.20
66	BATHINDA	BATHINDA	S-NPP	30.35597	75.05751	12:54:00	D	2.00
67	BATHINDA	BATHINDA	AQUA	30.35800	74.73300	13:50:00	D	6.80
68	BATHINDA	BATHINDA	S-NPP	30.35935	75.16328	12:54:00	D	2.00
69	BATHINDA	BATHINDA	AQUA	30.36100	75.05000	13:50:00	D	9.90
70	BATHINDA	BATHINDA	AQUA	30.36300	74.99300	13:50:00	D	6.50
71	BATHINDA	BATHINDA	AQUA	30.37000	75.04900	13:50:00	D	12.60
72	BATHINDA	BATHINDA	S-NPP	30.37527	75.04786	12:54:00	D	3.20
73	BATHINDA	BATHINDA	AQUA	30.39900	74.97500	13:50:00	D	9.50
74	BATHINDA	BATHINDA	S-NPP	30.40319	75.09840	12:54:00	D	2.30
75	BATHINDA	RAMPURA PHUL	S-NPP	30.14947	75.34263	12:54:00	D	1.60
76	BATHINDA	RAMPURA PHUL	S-NPP	30.17796	75.14440	12:54:00	D	1.20
77	BATHINDA	RAMPURA PHUL	S-NPP	30.18401	75.35368	12:54:00	D	5.20
78	BATHINDA	RAMPURA PHUL	AQUA	30.20000	75.22800	13:50:00	D	6.80
79	BATHINDA	RAMPURA PHUL	S-NPP	30.20002	75.28490	14:30:00	D	16.80
80	BATHINDA	RAMPURA PHUL	S-NPP	30.20243	75.28242	14:30:00	D	22.80
81	BATHINDA	RAMPURA PHUL	AQUA	30.20700	75.33900	13:50:00	D	20.20
82	BATHINDA	RAMPURA PHUL	AQUA	30.21200	75.33100	13:50:00	D	7.60
83	BATHINDA	RAMPURA PHUL	S-NPP	30.21224	75.33789	12:54:00	D	2.40
84	BATHINDA	RAMPURA PHUL	AQUA	30.21300	75.18000	13:50:00	D	8.50
85	BATHINDA	RAMPURA PHUL	S-NPP	30.21302	75.34125	12:54:00	D	3.10
86	BATHINDA	RAMPURA PHUL	AQUA	30.21400	75.19100	13:50:00	D	5.80
87	BATHINDA	RAMPURA PHUL	AQUA	30.21400	75.34200	13:50:00	D	5.30
88	BATHINDA	RAMPURA PHUL	S-NPP	30.21495	75.23454	14:30:00	D	3.30
89	BATHINDA	RAMPURA PHUL	S-NPP	30.22948	75.24184	14:30:00	D	4.90
90	BATHINDA	RAMPURA PHUL	S-NPP	30.22977	75.24972	14:30:00	D	6.20
91	BATHINDA	RAMPURA PHUL	S-NPP	30.24639	75.21771	12:54:00	D	4.50
92	BATHINDA	RAMPURA PHUL	AQUA	30.24700	75.30200	13:50:00	D	4.50
93	BATHINDA	RAMPURA PHUL	S-NPP	30.24880	75.31828	12:54:00	D	11.60
94	BATHINDA	RAMPURA PHUL	S-NPP	30.25043	75.31902	12:54:00	D	4.50
95	BATHINDA	RAMPURA PHUL	S-NPP	30.29713	75.20580	12:54:00	D	3.70
96	BATHINDA	RAMPURA PHUL	S-NPP	30.33306	75.23316	12:54:00	D	1.30

97	BATHINDA	RAMPURA PHUL	AQUA	30.34000	75.31600	13:50:00	D	11.60
98	BATHINDA	RAMPURA PHUL	S-NPP	30.34596	75.17469	12:54:00	D	6.90
99	BATHINDA	RAMPURA PHUL	AQUA	30.37800	75.18600	13:50:00	D	9.10
100	BATHINDA	RAMPURA PHUL	AQUA	30.38700	75.18400	13:50:00	D	11.60
101	BATHINDA	RAMPURA PHUL	AQUA	30.40100	75.14700	13:50:00	D	42.30
102	BATHINDA	RAMPURA PHUL	AQUA	30.40300	75.15800	13:50:00	D	9.70
103	BATHINDA	RAMPURA PHUL	S-NPP	30.40637	75.11211	12:54:00	D	3.40
104	BATHINDA	RAMPURA PHUL	S-NPP	30.40785	75.06025	14:30:00	D	13.40
105	BATHINDA	RAMPURA PHUL	S-NPP	30.41480	75.10214	12:54:00	D	2.90
106	BATHINDA	RAMPURA PHUL	AQUA	30.41600	75.26100	13:50:00	D	5.80
107	BATHINDA	RAMPURA PHUL	S-NPP	30.41754	75.10192	12:54:00	D	2.60
108	BATHINDA	RAMPURA PHUL	AQUA	30.41900	75.28400	13:50:00	D	32.50
109	BATHINDA	RAMPURA PHUL	AQUA	30.42000	75.29500	13:50:00	D	16.70
110	BATHINDA	RAMPURA PHUL	AQUA	30.42100	75.07400	13:50:00	D	4.40
111	BATHINDA	RAMPURA PHUL	AQUA	30.42200	75.08600	13:50:00	D	6.40
112	BATHINDA	RAMPURA PHUL	AQUA	30.43400	75.17600	13:50:00	D	6.30
113	BATHINDA	RAMPURA PHUL	S-NPP	30.44838	75.20912	12:54:00	D	1.90
114	BATHINDA	RAMPURA PHUL	AQUA	30.45100	75.16200	13:50:00	D	22.70
115	BATHINDA	RAMPURA PHUL	AQUA	30.45300	75.17300	13:50:00	D	17.90
116	BATHINDA	RAMPURA PHUL	S-NPP	30.45442	75.16753	14:30:00	D	24.00
117	BATHINDA	RAMPURA PHUL	S-NPP	30.45472	75.17537	14:30:00	D	31.60
118	BATHINDA	RAMPURA PHUL	S-NPP	30.45861	75.16714	14:30:00	D	19.40
119	BATHINDA	RAMPURA PHUL	S-NPP	30.45887	75.17500	14:30:00	D	19.40
120	BATHINDA	RAMPURA PHUL	S-NPP	30.45951	75.16582	12:54:00	D	3.00
121	BATHINDA	RAMPURA PHUL	S-NPP	30.47047	75.14423	12:54:00	D	4.80
122	BATHINDA	RAMPURA PHUL	AQUA	30.47300	75.07100	13:50:00	D	8.60
123	BATHINDA	RAMPURA PHUL	S-NPP	30.48038	75.23180	12:54:00	D	7.10
124	BATHINDA	RAMPURA PHUL	AQUA	30.48100	75.12800	13:50:00	D	6.70
125	BATHINDA	RAMPURA PHUL	AQUA	30.49700	75.18300	13:50:00	D	9.00
126	BATHINDA	RAMPURA PHUL	AQUA	30.49800	75.19500	13:50:00	D	18.10
127	BATHINDA	RAMPURA PHUL	S-NPP	30.50097	75.16030	12:54:00	D	3.70
128	BATHINDA	RAMPURA PHUL	AQUA	30.50100	75.13600	13:50:00	D	7.90
129	BATHINDA	RAMPURA PHUL	AQUA	30.50200	75.14700	13:50:00	D	8.70

130	BATHINDA	RAMPURA PHUL	S-NPP	30.50547	75.20245	12:54:00	D	2.60
131	BATHINDA	RAMPURA PHUL	S-NPP	30.50778	75.14365	12:54:00	D	3.30
132	BATHINDA	RAMPURA PHUL	AQUA	30.51500	75.09900	13:50:00	D	8.20
133	BATHINDA	RAMPURA PHUL	S-NPP	30.52930	75.14429	12:54:00	D	3.30
134	BATHINDA	RAMPURA PHUL	S-NPP	30.53008	75.14768	12:54:00	D	4.70
135	BATHINDA	RAMPURA PHUL	S-NPP	30.53202	75.14558	12:54:00	D	6.00
136	BATHINDA	RAMPURA PHUL	S-NPP	30.53428	75.14275	12:54:00	D	3.30
137	BATHINDA	RAMPURA PHUL	S-NPP	30.53506	75.14614	12:54:00	D	4.70
138	BATHINDA	RAMPURA PHUL	S-NPP	30.53701	75.14407	12:54:00	D	6.00
139	BATHINDA	TALWANDI SABO	S-NPP	29.78237	75.16303	14:30:00	D	4.80
140	BATHINDA	TALWANDI SABO	AQUA	29.84000	75.13100	13:50:00	D	12.00
141	BATHINDA	TALWANDI SABO	AQUA	30.00600	74.99900	13:50:00	D	7.70
142	BATHINDA	TALWANDI SABO	S-NPP	30.03161	75.05640	12:54:00	D	2.50
143	BATHINDA	TALWANDI SABO	S-NPP	30.03679	74.90621	14:30:00	D	3.60
144	BATHINDA	TALWANDI SABO	S-NPP	30.06434	75.03005	12:54:00	D	0.90
145	BATHINDA	TALWANDI SABO	S-NPP	30.06758	75.18695	12:54:00	D	1.90
146	BATHINDA	TALWANDI SABO	S-NPP	30.08140	75.22318	12:54:00	D	1.70
147	BATHINDA	TALWANDI SABO	S-NPP	30.12364	75.15434	14:30:00	D	13.70
148	FARIDKOT	FARIDKOT	S-NPP	30.49966	74.80560	12:54:00	D	2.60
149	FARIDKOT	FARIDKOT	S-NPP	30.50473	74.80401	12:54:00	D	1.80
150	FARIDKOT	FARIDKOT	S-NPP	30.50643	74.76517	12:54:00	D	3.10
151	FARIDKOT	FARIDKOT	AQUA	30.53500	74.75700	13:50:00	D	6.00
152	FARIDKOT	FARIDKOT	S-NPP	30.54848	74.87384	12:54:00	D	6.30
153	FARIDKOT	FARIDKOT	S-NPP	30.55353	74.87226	12:54:00	D	4.50
154	FARIDKOT	FARIDKOT	AQUA	30.56600	74.70700	13:50:00	D	10.90
155	FARIDKOT	FARIDKOT	AQUA	30.57800	74.72700	13:50:00	D	6.50
156	FARIDKOT	FARIDKOT	S-NPP	30.58677	74.73163	12:54:00	D	5.50
157	FARIDKOT	FARIDKOT	S-NPP	30.62834	74.67609	12:54:00	D	5.70
158	FARIDKOT	FARIDKOT	S-NPP	30.63260	74.67088	12:54:00	D	5.70
159	FARIDKOT	FARIDKOT	S-NPP	30.63345	74.67448	12:54:00	D	5.70
160	FARIDKOT	FARIDKOT	AQUA	30.63700	74.91600	13:50:00	D	5.40
161	FARIDKOT	FARIDKOT	AQUA	30.63800	74.63200	13:50:00	D	7.90
162	FARIDKOT	FARIDKOT	AQUA	30.63900	74.92700	13:50:00	D	51.60

163	FARIDKOT	FARIDKOT	AQUA	30.64300	74.74400	13:50:00	D	8.70
164	FARIDKOT	FARIDKOT	AQUA	30.64500	74.75500	13:50:00	D	5.50
165	FARIDKOT	FARIDKOT	S-NPP	30.66604	74.83624	12:54:00	D	4.30
166	FARIDKOT	FARIDKOT	AQUA	30.67100	74.95600	13:50:00	D	6.50
167	FARIDKOT	FARIDKOT	S-NPP	30.69025	74.67197	14:30:00	D	6.10
168	FARIDKOT	FARIDKOT	S-NPP	30.69051	74.67266	14:30:00	D	4.10
169	FARIDKOT	FARIDKOT	S-NPP	30.69592	74.89455	12:54:00	D	3.40
170	FARIDKOT	FARIDKOT	S-NPP	30.69605	74.66155	12:54:00	D	5.60
171	FARIDKOT	FARIDKOT	S-NPP	30.69699	74.89297	12:54:00	D	3.80
172	FARIDKOT	FARIDKOT	AQUA	30.70400	74.86300	13:50:00	D	5.20
173	FARIDKOT	FARIDKOT	AQUA	30.70500	74.87500	13:50:00	D	5.50
174	FARIDKOT	FARIDKOT	AQUA	30.72300	74.49900	13:50:00	D	10.20
175	FARIDKOT	FARIDKOT	AQUA	30.79700	74.72800	13:50:00	D	4.90
176	FARIDKOT	FARIDKOT	AQUA	30.80000	74.68200	13:50:00	D	20.60
177	FARIDKOT	FARIDKOT	AQUA	30.80200	74.69300	13:50:00	D	6.20
178	FARIDKOT	FARIDKOT	AQUA	30.80600	74.72600	13:50:00	D	6.70
179	FARIDKOT	JAITO	AQUA	30.41100	74.99600	13:50:00	D	11.60
180	FARIDKOT	JAITO	S-NPP	30.41901	74.94921	12:54:00	D	3.00
181	FARIDKOT	JAITO	AQUA	30.44100	74.96200	13:50:00	D	5.60
182	FARIDKOT	JAITO	S-NPP	30.44416	74.96393	12:54:00	D	1.30
183	FARIDKOT	JAITO	AQUA	30.45100	74.82400	13:50:00	D	6.40
184	FARIDKOT	JAITO	S-NPP	30.45970	74.79179	14:30:00	D	10.70
185	FARIDKOT	JAITO	S-NPP	30.46045	74.79248	14:30:00	D	16.50
186	FARIDKOT	JAITO	AQUA	30.46600	74.86700	13:50:00	D	23.10
187	FARIDKOT	JAITO	S-NPP	30.46916	74.81508	12:54:00	D	8.10
188	FARIDKOT	JAITO	S-NPP	30.46927	74.81615	12:54:00	D	7.90
189	FARIDKOT	JAITO	S-NPP	30.48076	75.00478	12:54:00	D	4.60
190	FARIDKOT	JAITO	S-NPP	30.48157	75.00825	12:54:00	D	6.90
191	FARIDKOT	JAITO	S-NPP	30.48949	74.83160	12:54:00	D	12.50
192	FARIDKOT	JAITO	AQUA	30.49100	74.84000	13:50:00	D	6.10
193	FARIDKOT	JAITO	S-NPP	30.49156	74.86626	14:30:00	D	8.00
194	FARIDKOT	JAITO	S-NPP	30.49737	74.86528	14:30:00	D	11.50
195	FARIDKOT	JAITO	S-NPP	30.50610	74.97456	12:54:00	D	2.30

196	FARIDKOT	JAITO	S-NPP	30.50698	74.97298	12:54:00	D	1.90
197	FARIDKOT	JAITO	AQUA	30.50800	74.89400	13:50:00	D	7.30
198	FARIDKOT	JAITO	AQUA	30.51900	74.98300	13:50:00	D	10.60
199	FARIDKOT	JAITO	S-NPP	30.53893	74.94816	12:54:00	D	2.60
200	FATEHGARH SAHIB	ALMOH	NOAA-19	30.60882	76.26399	17:44:00	N	12.00
201	FATEHGARH SAHIB	FATEHGARH SAHIB	S-NPP	30.53116	76.38688	12:54:00	D	3.60
202	FATEHGARH SAHIB	KHAMANOH	S-NPP	30.80746	76.30802	12:54:00	D	3.00
203	FATEHGARH SAHIB	KHAMANOH	AQUA	30.83300	76.36700	13:50:00	D	13.80
204	FAZILKA	ABOHAR	AQUA	29.96800	74.35200	13:50:00	D	6.90
205	FAZILKA	ABOHAR	AQUA	29.97000	74.36300	13:50:00	D	6.10
206	FAZILKA	ABOHAR	S-NPP	30.10154	74.13706	12:54:00	D	2.80
207	FAZILKA	ABOHAR	AQUA	30.15900	74.26200	13:50:00	D	5.60
208	FAZILKA	ABOHAR	S-NPP	30.17682	74.29300	14:30:00	D	8.20
209	FAZILKA	ABOHAR	AQUA	30.17700	74.20000	13:50:00	D	8.50
210	FAZILKA	ABOHAR	AQUA	30.17800	74.21000	13:50:00	D	5.40
211	FAZILKA	ABOHAR	S-NPP	30.18329	74.28576	14:30:00	D	6.60
212	FAZILKA	ABOHAR	S-NPP	30.18360	74.29264	14:30:00	D	10.10
213	FAZILKA	ABOHAR	AQUA	30.19100	74.30600	13:50:00	D	12.60
214	FAZILKA	ABOHAR	S-NPP	30.19683	74.28513	14:30:00	D	11.90
215	FAZILKA	ABOHAR	AQUA	30.23000	74.25500	13:50:00	D	8.50
216	FAZILKA	FAZILKA	AQUA	30.19600	74.00200	13:50:00	D	4.50
217	FAZILKA	FAZILKA	S-NPP	30.20374	74.00092	14:30:00	D	3.00
218	FAZILKA	FAZILKA	S-NPP	30.22291	74.05154	14:30:00	D	6.80
219	FAZILKA	FAZILKA	S-NPP	30.22320	74.05822	14:30:00	D	6.80
220	FAZILKA	FAZILKA	S-NPP	30.22349	74.06490	14:30:00	D	24.20
221	FAZILKA	FAZILKA	AQUA	30.22400	74.07200	13:50:00	D	14.00
222	FAZILKA	FAZILKA	S-NPP	30.22702	74.06635	14:30:00	D	18.40
223	FAZILKA	FAZILKA	S-NPP	30.22855	74.06461	12:54:00	D	9.30
224	FAZILKA	FAZILKA	S-NPP	30.22874	74.03128	14:30:00	D	7.40
225	FAZILKA	FAZILKA	S-NPP	30.22952	74.06857	12:54:00	D	8.40
226	FAZILKA	FAZILKA	S-NPP	30.23207	74.03276	14:30:00	D	8.00
227	FAZILKA	FAZILKA	AQUA	30.23400	74.01000	13:50:00	D	10.10
228	FAZILKA	FAZILKA	AQUA	30.23700	74.03100	13:50:00	D	35.90

229	FAZILKA	FAZILKA	AQUA	30.23900	74.04100	13:50:00	D	36.80
230	FAZILKA	FAZILKA	AQUA	30.24000	74.05200	13:50:00	D	7.20
231	FAZILKA	FAZILKA	AQUA	30.24100	74.06200	13:50:00	D	6.70
232	FAZILKA	FAZILKA	S-NPP	30.24641	73.97726	14:30:00	D	13.50
233	FAZILKA	FAZILKA	S-NPP	30.24671	73.98386	14:30:00	D	19.60
234	FAZILKA	FAZILKA	AQUA	30.25400	74.01700	13:50:00	D	24.60
235	FAZILKA	FAZILKA	S-NPP	30.25653	73.99082	12:54:00	D	2.20
236	FAZILKA	FAZILKA	S-NPP	30.26155	74.01632	14:30:00	D	11.20
237	FAZILKA	FAZILKA	AQUA	30.26700	74.04700	13:50:00	D	7.00
238	FAZILKA	FAZILKA	AQUA	30.27100	74.07800	13:50:00	D	6.00
239	FAZILKA	FAZILKA	S-NPP	30.29651	74.04787	14:30:00	D	4.90
240	FAZILKA	FAZILKA	S-NPP	30.29930	74.04469	14:30:00	D	4.30
241	FAZILKA	FAZILKA	AQUA	30.30100	74.16000	13:50:00	D	5.50
242	FAZILKA	FAZILKA	AQUA	30.30300	74.24600	13:50:00	D	6.70
243	FAZILKA	FAZILKA	AQUA	30.30500	74.25700	13:50:00	D	9.30
244	FAZILKA	FAZILKA	S-NPP	30.31455	74.25444	14:30:00	D	18.70
245	FAZILKA	FAZILKA	S-NPP	30.31584	74.04481	12:54:00	D	5.40
246	FAZILKA	FAZILKA	S-NPP	30.31972	74.25706	14:30:00	D	25.50
247	FAZILKA	FAZILKA	S-NPP	30.32098	74.28462	14:30:00	D	6.10
248	FAZILKA	FAZILKA	S-NPP	30.32106	74.08379	14:30:00	D	3.40
249	FAZILKA	FAZILKA	AQUA	30.32500	74.07400	13:50:00	D	23.10
250	FAZILKA	FAZILKA	AQUA	30.32600	74.08400	13:50:00	D	8.40
251	FAZILKA	FAZILKA	S-NPP	30.32840	74.04932	12:54:00	D	5.50
252	FAZILKA	FAZILKA	AQUA	30.34200	73.99500	13:50:00	D	21.80
253	FAZILKA	FAZILKA	AQUA	30.34500	74.01600	13:50:00	D	10.00
254	FAZILKA	FAZILKA	AQUA	30.34500	74.15700	13:50:00	D	14.70
255	FAZILKA	FAZILKA	S-NPP	30.34581	74.02666	12:54:00	D	3.00
256	FAZILKA	FAZILKA	S-NPP	30.34581	74.23523	14:30:00	D	6.90
257	FAZILKA	FAZILKA	S-NPP	30.34613	74.04221	14:30:00	D	7.60
258	FAZILKA	FAZILKA	AQUA	30.34900	74.04800	13:50:00	D	8.80
259	FAZILKA	FAZILKA	S-NPP	30.35606	74.11575	14:30:00	D	7.20
260	FAZILKA	FAZILKA	S-NPP	30.35962	73.89568	14:30:00	D	17.30
261	FAZILKA	FAZILKA	AQUA	30.36500	74.30600	13:50:00	D	4.60

262	FAZILKA	FAZILKA	AQUA	30.36700	74.11000	13:50:00	D	38.30
263	FAZILKA	FAZILKA	AQUA	30.36800	74.12000	13:50:00	D	16.00
264	FAZILKA	FAZILKA	S-NPP	30.36988	73.97427	14:30:00	D	5.10
265	FAZILKA	FAZILKA	AQUA	30.37100	74.14100	13:50:00	D	38.60
266	FAZILKA	FAZILKA	AQUA	30.37300	74.02200	13:50:00	D	10.80
267	FAZILKA	FAZILKA	AQUA	30.37300	74.15200	13:50:00	D	18.20
268	FAZILKA	FAZILKA	AQUA	30.37500	73.96800	13:50:00	D	27.70
269	FAZILKA	FAZILKA	AQUA	30.37700	73.97800	13:50:00	D	25.50
270	FAZILKA	FAZILKA	S-NPP	30.37893	74.21022	12:54:00	D	8.20
271	FAZILKA	FAZILKA	AQUA	30.38200	74.15000	13:50:00	D	72.70
272	FAZILKA	FAZILKA	S-NPP	30.38214	74.12952	12:54:00	D	6.00
273	FAZILKA	FAZILKA	S-NPP	30.38252	74.15466	12:54:00	D	6.60
274	FAZILKA	FAZILKA	S-NPP	30.38322	73.97359	14:30:00	D	13.40
275	FAZILKA	FAZILKA	AQUA	30.38400	73.96600	13:50:00	D	8.60
276	FAZILKA	FAZILKA	S-NPP	30.38506	74.01345	14:30:00	D	9.40
277	FAZILKA	FAZILKA	S-NPP	30.38610	73.97537	12:54:00	D	13.10
278	FAZILKA	FAZILKA	S-NPP	30.38743	74.12785	12:54:00	D	2.70
279	FAZILKA	FAZILKA	S-NPP	30.39126	73.92633	12:54:00	D	3.30
280	FAZILKA	FAZILKA	AQUA	30.39200	73.95400	13:50:00	D	6.20
281	FAZILKA	FAZILKA	S-NPP	30.39763	74.09925	12:54:00	D	1.70
282	FAZILKA	FAZILKA	AQUA	30.39900	74.00600	13:50:00	D	42.00
283	FAZILKA	FAZILKA	AQUA	30.40100	74.22300	13:50:00	D	5.20
284	FAZILKA	FAZILKA	AQUA	30.40300	74.16800	13:50:00	D	13.60
285	FAZILKA	FAZILKA	S-NPP	30.40631	73.95116	14:30:00	D	2.80
286	FAZILKA	FAZILKA	AQUA	30.40700	73.99800	13:50:00	D	6.50
287	FAZILKA	FAZILKA	S-NPP	30.40741	73.96854	12:54:00	D	5.80
288	FAZILKA	FAZILKA	S-NPP	30.40756	74.14597	14:30:00	D	5.60
289	FAZILKA	FAZILKA	AQUA	30.40800	74.07000	13:50:00	D	12.40
290	FAZILKA	FAZILKA	S-NPP	30.41077	74.15399	12:54:00	D	1.50
291	FAZILKA	FAZILKA	S-NPP	30.41137	74.14697	14:30:00	D	3.20
292	FAZILKA	FAZILKA	S-NPP	30.41197	74.11153	12:54:00	D	6.80
293	FAZILKA	FAZILKA	S-NPP	30.41286	74.15331	12:54:00	D	1.80
294	FAZILKA	FAZILKA	S-NPP	30.41291	74.11545	12:54:00	D	6.80

295	FAZILKA	FAZILKA	S-NPP	30.41383	74.11102	12:54:00	D	14.00
296	FAZILKA	FAZILKA	S-NPP	30.41697	74.15619	12:54:00	D	3.00
297	FAZILKA	FAZILKA	S-NPP	30.41743	74.05749	14:30:00	D	6.00
298	FAZILKA	FAZILKA	S-NPP	30.41909	74.15553	12:54:00	D	1.80
299	FAZILKA	FAZILKA	S-NPP	30.42048	73.97031	14:30:00	D	3.20
300	FAZILKA	FAZILKA	S-NPP	30.42071	74.05863	14:30:00	D	17.70
301	FAZILKA	FAZILKA	S-NPP	30.42213	74.17253	14:30:00	D	3.70
302	FAZILKA	FAZILKA	S-NPP	30.42718	74.19886	12:54:00	D	1.90
303	FAZILKA	FAZILKA	AQUA	30.42800	74.08100	13:50:00	D	4.30
304	FAZILKA	FAZILKA	AQUA	30.42900	74.15700	13:50:00	D	7.90
305	FAZILKA	FAZILKA	S-NPP	30.42955	74.19805	12:54:00	D	1.80
306	FAZILKA	FAZILKA	S-NPP	30.43064	74.10988	12:54:00	D	2.50
307	FAZILKA	FAZILKA	AQUA	30.43100	74.17800	13:50:00	D	10.70
308	FAZILKA	FAZILKA	S-NPP	30.43102	74.18095	12:54:00	D	3.50
309	FAZILKA	FAZILKA	S-NPP	30.43154	74.15991	12:54:00	D	3.70
310	FAZILKA	FAZILKA	S-NPP	30.43163	73.97365	12:54:00	D	10.40
311	FAZILKA	FAZILKA	S-NPP	30.43724	74.04972	14:30:00	D	10.00
312	FAZILKA	FAZILKA	S-NPP	30.43827	74.28991	14:30:00	D	4.50
313	FAZILKA	FAZILKA	S-NPP	30.43895	74.15929	14:30:00	D	6.30
314	FAZILKA	FAZILKA	AQUA	30.43900	74.02500	13:50:00	D	13.00
315	FAZILKA	FAZILKA	S-NPP	30.43981	74.07744	12:54:00	D	8.30
316	FAZILKA	FAZILKA	AQUA	30.44000	74.03500	13:50:00	D	8.80
317	FAZILKA	FAZILKA	AQUA	30.44000	74.17600	13:50:00	D	21.80
318	FAZILKA	FAZILKA	S-NPP	30.44038	74.28861	14:30:00	D	4.00
319	FAZILKA	FAZILKA	S-NPP	30.44048	74.05093	14:30:00	D	7.60
320	FAZILKA	FAZILKA	AQUA	30.44100	74.25300	13:50:00	D	18.80
321	FAZILKA	FAZILKA	S-NPP	30.44113	74.15268	12:54:00	D	1.80
322	FAZILKA	FAZILKA	S-NPP	30.44179	74.15787	14:30:00	D	13.20
323	FAZILKA	FAZILKA	AQUA	30.44200	74.18700	13:50:00	D	8.70
324	FAZILKA	FAZILKA	S-NPP	30.44492	74.16818	12:54:00	D	2.30
325	FAZILKA	FAZILKA	S-NPP	30.44568	74.15900	14:30:00	D	6.30
326	FAZILKA	FAZILKA	S-NPP	30.45018	74.16650	12:54:00	D	2.80
327	FAZILKA	FAZILKA	S-NPP	30.45091	73.99023	14:30:00	D	3.50

328	FAZILKA	FAZILKA	AQUA	30.45100	74.12000	13:50:00	D	6.50
329	FAZILKA	FAZILKA	S-NPP	30.45113	74.17036	12:54:00	D	2.80
330	FAZILKA	FAZILKA	AQUA	30.45200	74.05500	13:50:00	D	6.70
331	FAZILKA	FAZILKA	AQUA	30.45300	74.06500	13:50:00	D	14.40
332	FAZILKA	FAZILKA	AQUA	30.45300	74.13100	13:50:00	D	21.80
333	FAZILKA	FAZILKA	S-NPP	30.45315	74.13210	12:54:00	D	2.50
334	FAZILKA	FAZILKA	S-NPP	30.45451	74.16094	12:54:00	D	2.30
335	FAZILKA	FAZILKA	S-NPP	30.45470	73.98853	14:30:00	D	6.70
336	FAZILKA	FAZILKA	S-NPP	30.45473	74.06841	12:54:00	D	2.70
337	FAZILKA	FAZILKA	S-NPP	30.45520	74.07719	14:30:00	D	7.80
338	FAZILKA	FAZILKA	AQUA	30.45800	74.09700	13:50:00	D	19.90
339	FAZILKA	FAZILKA	S-NPP	30.45850	74.07555	14:30:00	D	15.60
340	FAZILKA	FAZILKA	S-NPP	30.46011	74.02002	12:54:00	D	11.40
341	FAZILKA	FAZILKA	AQUA	30.46100	74.05300	13:50:00	D	22.30
342	FAZILKA	FAZILKA	S-NPP	30.46107	74.02396	12:54:00	D	11.40
343	FAZILKA	FAZILKA	S-NPP	30.46202	74.02792	12:54:00	D	26.60
344	FAZILKA	FAZILKA	S-NPP	30.46542	74.01831	12:54:00	D	11.40
345	FAZILKA	FAZILKA	AQUA	30.46600	74.02000	13:50:00	D	11.50
346	FAZILKA	FAZILKA	S-NPP	30.46638	74.02226	12:54:00	D	11.40
347	FAZILKA	FAZILKA	S-NPP	30.47386	74.10027	12:54:00	D	5.80
348	FAZILKA	FAZILKA	S-NPP	30.47480	74.10416	12:54:00	D	5.80
349	FAZILKA	FAZILKA	S-NPP	30.47740	74.04421	12:54:00	D	3.40
350	FAZILKA	FAZILKA	S-NPP	30.48202	74.00051	14:30:00	D	7.60
351	FAZILKA	FAZILKA	S-NPP	30.48666	73.93846	12:54:00	D	3.00
352	FAZILKA	FAZILKA	AQUA	30.49700	74.04700	13:50:00	D	7.90
353	FAZILKA	FAZILKA	S-NPP	30.50300	74.01954	14:30:00	D	5.00
354	FAZILKA	FAZILKA	AQUA	30.50600	74.11000	13:50:00	D	5.80
355	FAZILKA	FAZILKA	S-NPP	30.53703	74.05006	12:54:00	D	7.40
356	FAZILKA	JALALABAD	AQUA	30.45300	74.27200	13:50:00	D	12.70
357	FAZILKA	JALALABAD	S-NPP	30.45928	74.30299	14:30:00	D	5.80
358	FAZILKA	JALALABAD	S-NPP	30.45999	74.22985	12:54:00	D	4.20
359	FAZILKA	JALALABAD	AQUA	30.46100	74.26000	13:50:00	D	22.40
360	FAZILKA	JALALABAD	S-NPP	30.46131	74.30164	14:30:00	D	5.60

361	FAZILKA	JALALABAD	AQUA	30.46700	74.23700	13:50:00	D	35.30
362	FAZILKA	JALALABAD	AQUA	30.47100	74.26900	13:50:00	D	14.30
363	FAZILKA	JALALABAD	S-NPP	30.47401	74.28018	14:30:00	D	15.00
364	FAZILKA	JALALABAD	S-NPP	30.47431	74.28711	14:30:00	D	15.00
365	FAZILKA	JALALABAD	AQUA	30.48000	74.26700	13:50:00	D	31.60
366	FAZILKA	JALALABAD	AQUA	30.48400	74.22300	13:50:00	D	19.10
367	FAZILKA	JALALABAD	AQUA	30.48500	74.23400	13:50:00	D	8.80
368	FAZILKA	JALALABAD	S-NPP	30.48669	74.25880	14:30:00	D	9.40
369	FAZILKA	JALALABAD	S-NPP	30.48699	74.26570	14:30:00	D	12.70
370	FAZILKA	JALALABAD	AQUA	30.48900	74.18900	13:50:00	D	14.60
371	FAZILKA	JALALABAD	S-NPP	30.49026	74.33105	12:54:00	D	3.00
372	FAZILKA	JALALABAD	S-NPP	30.49046	74.18971	14:30:00	D	3.60
373	FAZILKA	JALALABAD	S-NPP	30.49425	74.30119	12:54:00	D	6.10
374	FAZILKA	JALALABAD	S-NPP	30.49646	74.32795	14:30:00	D	5.70
375	FAZILKA	JALALABAD	AQUA	30.49700	74.31900	13:50:00	D	29.80
376	FAZILKA	JALALABAD	AQUA	30.49800	74.18800	13:50:00	D	39.30
377	FAZILKA	JALALABAD	AQUA	30.49900	74.19800	13:50:00	D	75.70
378	FAZILKA	JALALABAD	AQUA	30.50800	74.19700	13:50:00	D	10.20
379	FAZILKA	JALALABAD	AQUA	30.50900	74.33900	13:50:00	D	11.80
380	FAZILKA	JALALABAD	AQUA	30.51000	74.20700	13:50:00	D	10.70
381	FAZILKA	JALALABAD	AQUA	30.51000	74.35000	13:50:00	D	24.00
382	FAZILKA	JALALABAD	S-NPP	30.51067	74.34131	14:30:00	D	5.90
383	FAZILKA	JALALABAD	S-NPP	30.51734	74.25690	12:54:00	D	1.50
384	FAZILKA	JALALABAD	S-NPP	30.51793	74.32118	14:30:00	D	17.40
385	FAZILKA	JALALABAD	S-NPP	30.52111	74.36588	12:54:00	D	3.60
386	FAZILKA	JALALABAD	AQUA	30.52200	74.37000	13:50:00	D	17.90
387	FAZILKA	JALALABAD	S-NPP	30.52243	74.32483	12:54:00	D	2.80
388	FAZILKA	JALALABAD	AQUA	30.52300	74.38000	13:50:00	D	39.70
389	FAZILKA	JALALABAD	S-NPP	30.52336	74.31977	14:30:00	D	24.90
390	FAZILKA	JALALABAD	S-NPP	30.52366	74.32676	14:30:00	D	24.90
391	FAZILKA	JALALABAD	S-NPP	30.52473	74.32085	14:30:00	D	17.40
392	FAZILKA	JALALABAD	S-NPP	30.52490	74.35471	14:30:00	D	4.30
393	FAZILKA	JALALABAD	S-NPP	30.52500	74.32784	14:30:00	D	39.00

394	FAZILKA	JALALABAD	S-NPP	30.52552	74.36874	14:30:00	D	10.40
395	FAZILKA	JALALABAD	S-NPP	30.52608	74.35586	14:30:00	D	10.90
396	FAZILKA	JALALABAD	S-NPP	30.52662	74.36993	14:30:00	D	8.90
397	FAZILKA	JALALABAD	S-NPP	30.52721	74.36797	12:54:00	D	3.60
398	FAZILKA	JALALABAD	AQUA	30.52800	74.34700	13:50:00	D	19.90
399	FAZILKA	JALALABAD	S-NPP	30.52940	74.15363	14:30:00	D	5.90
400	FAZILKA	JALALABAD	AQUA	30.53000	74.16500	13:50:00	D	12.80
401	FAZILKA	JALALABAD	AQUA	30.53000	74.35700	13:50:00	D	33.50
402	FAZILKA	JALALABAD	AQUA	30.53100	74.36800	13:50:00	D	27.00
403	FAZILKA	JALALABAD	S-NPP	30.53126	74.31351	14:30:00	D	14.20
404	FAZILKA	JALALABAD	AQUA	30.53200	74.30200	13:50:00	D	11.40
405	FAZILKA	JALALABAD	S-NPP	30.53376	74.32529	12:54:00	D	1.90
406	FAZILKA	JALALABAD	AQUA	30.53600	74.33400	13:50:00	D	34.90
407	FAZILKA	JALALABAD	S-NPP	30.53601	74.29826	14:30:00	D	5.20
408	FAZILKA	JALALABAD	S-NPP	30.53664	74.31219	14:30:00	D	30.80
409	FAZILKA	JALALABAD	S-NPP	30.53751	74.29924	14:30:00	D	11.70
410	FAZILKA	JALALABAD	S-NPP	30.53778	74.30621	14:30:00	D	11.70
411	FAZILKA	JALALABAD	S-NPP	30.53806	74.31318	14:30:00	D	14.20
412	FAZILKA	JALALABAD	AQUA	30.53900	74.35600	13:50:00	D	44.90
413	FAZILKA	JALALABAD	S-NPP	30.54053	74.37630	14:30:00	D	3.10
414	FAZILKA	JALALABAD	S-NPP	30.54100	74.35548	12:54:00	D	2.20
415	FAZILKA	JALALABAD	S-NPP	30.55214	74.35352	14:30:00	D	8.10
416	FAZILKA	JALALABAD	AQUA	30.55300	74.33600	13:50:00	D	8.10
417	FAZILKA	JALALABAD	S-NPP	30.55333	74.35455	14:30:00	D	15.60
418	FAZILKA	JALALABAD	AQUA	30.55500	74.21500	13:50:00	D	4.80
419	FAZILKA	JALALABAD	AQUA	30.55800	74.30300	13:50:00	D	12.80
420	FAZILKA	JALALABAD	S-NPP	30.55958	74.34018	14:30:00	D	14.90
421	FAZILKA	JALALABAD	S-NPP	30.56322	74.30773	12:54:00	D	1.10
422	FAZILKA	JALALABAD	S-NPP	30.56512	74.33894	14:30:00	D	5.80
423	FAZILKA	JALALABAD	S-NPP	30.56580	74.30630	12:54:00	D	1.40
424	FAZILKA	JALALABAD	AQUA	30.57400	74.35500	13:50:00	D	6.70
425	FAZILKA	JALALABAD	S-NPP	30.57434	74.36765	14:30:00	D	7.50
426	FAZILKA	JALALABAD	AQUA	30.57500	74.36500	13:50:00	D	21.20

427	FAZILKA	JALALABAD	S-NPP	30.57826	74.29726	14:30:00	D	12.40
428	FAZILKA	JALALABAD	AQUA	30.58000	74.18900	13:50:00	D	9.50
429	FAZILKA	JALALABAD	AQUA	30.58100	74.20000	13:50:00	D	14.40
430	FAZILKA	JALALABAD	S-NPP	30.58505	74.29695	14:30:00	D	9.60
431	FAZILKA	JALALABAD	S-NPP	30.59244	74.34653	12:54:00	D	3.50
432	FAZILKA	JALALABAD	S-NPP	30.59363	74.37441	12:54:00	D	1.90
433	FAZILKA	JALALABAD	S-NPP	30.59538	74.38081	14:30:00	D	8.90
434	FAZILKA	JALALABAD	S-NPP	30.60213	74.21967	14:30:00	D	10.30
435	FAZILKA	JALALABAD	AQUA	30.60700	74.39300	13:50:00	D	38.80
436	FAZILKA	JALALABAD	AQUA	30.60800	74.19500	13:50:00	D	10.30
437	FAZILKA	JALALABAD	AQUA	30.61500	74.38100	13:50:00	D	57.60
438	FAZILKA	JALALABAD	AQUA	30.61600	74.39100	13:50:00	D	12.90
439	FAZILKA	JALALABAD	S-NPP	30.61934	74.15004	14:30:00	D	2.30
440	FAZILKA	JALALABAD	S-NPP	30.62320	74.38116	12:54:00	D	11.30
441	FAZILKA	JALALABAD	S-NPP	30.62586	74.29941	12:54:00	D	3.50
442	FAZILKA	JALALABAD	AQUA	30.62700	74.33400	13:50:00	D	4.90
443	FAZILKA	JALALABAD	AQUA	30.62800	74.41100	13:50:00	D	13.80
444	FAZILKA	JALALABAD	S-NPP	30.62858	74.20461	14:30:00	D	11.30
445	FAZILKA	JALALABAD	AQUA	30.62900	74.42200	13:50:00	D	6.60
446	FAZILKA	JALALABAD	AQUA	30.63000	74.21700	13:50:00	D	8.80
447	FAZILKA	JALALABAD	S-NPP	30.63097	74.20351	14:30:00	D	21.70
448	FAZILKA	JALALABAD	S-NPP	30.63168	74.27383	14:30:00	D	4.70
449	FAZILKA	JALALABAD	S-NPP	30.63369	74.27282	14:30:00	D	11.50
450	FAZILKA	JALALABAD	S-NPP	30.63425	74.35749	12:54:00	D	11.00
451	FAZILKA	JALALABAD	S-NPP	30.63628	74.22498	14:30:00	D	6.30
452	FAZILKA	JALALABAD	S-NPP	30.63856	74.22387	14:30:00	D	8.40
453	FAZILKA	JALALABAD	AQUA	30.63900	74.42000	13:50:00	D	29.10
454	FAZILKA	JALALABAD	AQUA	30.65200	74.24600	13:50:00	D	9.80
455	FAZILKA	JALALABAD	AQUA	30.65300	74.25700	13:50:00	D	22.10
456	FAZILKA	JALALABAD	AQUA	30.65500	74.26800	13:50:00	D	7.30
457	FAZILKA	JALALABAD	S-NPP	30.65616	74.36391	14:30:00	D	9.60
458	FAZILKA	JALALABAD	AQUA	30.65700	74.35500	13:50:00	D	20.20
459	FAZILKA	JALALABAD	S-NPP	30.65766	74.36296	14:30:00	D	7.00

460	FAZILKA	JALALABAD	AQUA	30.65900	74.36600	13:50:00	D	29.80
461	FAZILKA	JALALABAD	AQUA	30.66000	74.37700	13:50:00	D	103.10
462	FAZILKA	JALALABAD	S-NPP	30.66027	74.25757	14:30:00	D	8.30
463	FAZILKA	JALALABAD	S-NPP	30.66056	74.26451	14:30:00	D	8.30
464	FAZILKA	JALALABAD	S-NPP	30.66497	74.25842	14:30:00	D	8.90
465	FAZILKA	JALALABAD	S-NPP	30.66529	74.26535	14:30:00	D	10.70
466	FAZILKA	JALALABAD	S-NPP	30.66782	74.44778	14:30:00	D	3.70
467	FAZILKA	JALALABAD	AQUA	30.68200	74.32900	13:50:00	D	13.80
468	FAZILKA	JALALABAD	AQUA	30.69400	74.34900	13:50:00	D	16.80
469	FAZILKA	JALALABAD	AQUA	30.69700	74.23800	13:50:00	D	4.70
470	FAZILKA	JALALABAD	AQUA	30.74300	74.31200	13:50:00	D	4.50
471	FIROZPUR	FIROZPUR	AQUA	30.79500	74.86500	13:50:00	D	8.30
472	FIROZPUR	FIROZPUR	AQUA	30.79700	74.80700	13:50:00	D	7.60
473	FIROZPUR	FIROZPUR	AQUA	30.81000	74.46700	13:50:00	D	6.30
474	FIROZPUR	FIROZPUR	AQUA	30.81100	74.47800	13:50:00	D	5.40
475	FIROZPUR	FIROZPUR	AQUA	30.81900	74.46500	13:50:00	D	7.20
476	FIROZPUR	FIROZPUR	S-NPP	30.83437	74.48062	14:30:00	D	8.30
477	FIROZPUR	FIROZPUR	S-NPP	30.83495	74.47969	14:30:00	D	5.90
478	FIROZPUR	FIROZPUR	S-NPP	30.83602	74.67031	12:54:00	D	1.80
479	FIROZPUR	FIROZPUR	S-NPP	30.84329	74.83855	12:54:00	D	5.00
480	FIROZPUR	FIROZPUR	S-NPP	30.84412	74.84203	12:54:00	D	5.00
481	FIROZPUR	FIROZPUR	S-NPP	30.85635	74.91637	12:54:00	D	2.30
482	FIROZPUR	FIROZPUR	AQUA	30.86300	74.59600	13:50:00	D	12.10
483	FIROZPUR	FIROZPUR	AQUA	30.86300	74.67500	13:50:00	D	8.70
484	FIROZPUR	FIROZPUR	AQUA	30.86400	74.60700	13:50:00	D	6.70
485	FIROZPUR	ZIRA	AQUA	30.87200	75.09500	13:50:00	D	8.20
486	FIROZPUR	ZIRA	AQUA	30.87300	75.10600	13:50:00	D	7.20
487	FIROZPUR	ZIRA	S-NPP	30.87653	75.08785	14:30:00	D	6.10
488	FIROZPUR	ZIRA	AQUA	30.88700	75.13900	13:50:00	D	8.60
489	FIROZPUR	ZIRA	AQUA	30.90600	75.28900	13:50:00	D	5.60
490	FIROZPUR	ZIRA	S-NPP	30.90822	75.22621	12:54:00	D	2.80
491	FIROZPUR	ZIRA	S-NPP	30.92267	74.94728	12:54:00	D	3.90
492	FIROZPUR	ZIRA	S-NPP	30.92526	74.94669	12:54:00	D	4.10

493	FIROZPUR	ZIRA	AQUA	30.96200	75.30900	13:50:00	D	5.50
494	FIROZPUR	ZIRA	AQUA	30.96300	75.32100	13:50:00	D	7.80
495	FIROZPUR	ZIRA	S-NPP	30.99414	75.19470	14:30:00	D	9.50
496	FIROZPUR	ZIRA	S-NPP	30.99444	75.20271	14:30:00	D	9.50
497	FIROZPUR	ZIRA	AQUA	30.99600	75.19600	13:50:00	D	8.90
498	FIROZPUR	ZIRA	S-NPP	30.99697	75.19637	14:30:00	D	18.70
499	FIROZPUR	ZIRA	AQUA	30.99700	74.93300	13:50:00	D	21.80
500	FIROZPUR	ZIRA	S-NPP	30.99722	75.20437	14:30:00	D	21.70
501	FIROZPUR	ZIRA	AQUA	30.99800	75.20800	13:50:00	D	5.30
502	FIROZPUR	ZIRA	S-NPP	31.00157	75.13309	12:54:00	D	2.10
503	FIROZPUR	ZIRA	S-NPP	31.00157	75.20248	14:30:00	D	8.00
504	FIROZPUR	ZIRA	S-NPP	31.07601	75.13483	12:54:00	D	5.00
505	GURDASPUR	BATALA	S-NPP	31.72271	75.51836	12:54:00	D	2.10
506	GURDASPUR	BATALA	S-NPP	31.72532	75.51972	12:54:00	D	3.80
507	GURDASPUR	BATALA	S-NPP	31.87232	75.17244	12:54:00	D	7.20
508	GURDASPUR	BATALA	S-NPP	31.87508	75.16656	12:54:00	D	2.90
509	JALANDHAR	JALANDHAR II	NOAA-19	31.59023	75.64525	17:44:00	N	13.00
510	JALANDHAR	PHILLAUR	AQUA	31.06100	75.72000	13:50:00	D	9.10
511	JALANDHAR	PHILLAUR	S-NPP	31.09653	75.79478	12:54:00	D	18.60
512	KAPURTHALA	SULTANPUR LODHI	AQUA	31.31100	75.16500	13:50:00	D	5.70
513	LUDHIANA	JAGRAON	AQUA	30.64800	75.42200	13:50:00	D	11.80
514	LUDHIANA	JAGRAON	AQUA	30.65800	75.42100	13:50:00	D	9.70
515	LUDHIANA	JAGRAON	AQUA	30.69500	75.45700	13:50:00	D	22.70
516	LUDHIANA	JAGRAON	S-NPP	30.72451	75.45023	12:54:00	D	4.40
517	LUDHIANA	JAGRAON	S-NPP	30.72611	75.45530	12:54:00	D	8.00
518	LUDHIANA	JAGRAON	AQUA	30.74500	75.54500	13:50:00	D	12.50
519	LUDHIANA	JAGRAON	AQUA	30.75500	75.47100	13:50:00	D	12.70
520	LUDHIANA	JAGRAON	S-NPP	30.77242	75.58060	14:30:00	D	5.60
521	LUDHIANA	JAGRAON	S-NPP	30.78314	75.43092	12:54:00	D	15.90
522	LUDHIANA	JAGRAON	AQUA	30.84200	75.58300	13:50:00	D	5.70
523	LUDHIANA	JAGRAON	AQUA	30.91200	75.42000	13:50:00	D	8.20
524	LUDHIANA	JAGRAON	AQUA	30.91700	75.45600	13:50:00	D	8.50
525	LUDHIANA	JAGRAON	S-NPP	30.92222	75.46909	12:54:00	D	2.50

526	LUDHIANA	JAGRAON	AQUA	30.94900	75.40200	13:50:00	D	15.30
527	LUDHIANA	LUDHIANA EAST	AQUA	30.72900	75.83600	13:50:00	D	7.20
528	LUDHIANA	LUDHIANA EAST	AQUA	30.73100	75.84300	13:50:00	D	5.50
529	LUDHIANA	LUDHIANA EAST	S-NPP	30.79020	75.80846	12:54:00	D	13.60
530	LUDHIANA	LUDHIANA EAST	AQUA	30.92800	75.96800	13:50:00	D	4.60
531	LUDHIANA	LUDHIANA EAST	S-NPP	30.93448	75.98346	12:54:00	D	5.00
532	LUDHIANA	LUDHIANA WEST	S-NPP	30.78776	75.80749	12:54:00	D	13.00
533	LUDHIANA	LUDHIANA WEST	AQUA	30.80700	75.69900	13:50:00	D	14.40
534	LUDHIANA	LUDHIANA WEST	S-NPP	30.80736	75.78179	12:54:00	D	4.80
535	LUDHIANA	LUDHIANA WEST	AQUA	30.80800	75.71200	13:50:00	D	4.40
536	LUDHIANA	PAYAL	AQUA	30.68800	75.99400	13:50:00	D	5.70
537	LUDHIANA	RAIKOT	S-NPP	30.61466	75.69730	12:54:00	D	3.80
538	LUDHIANA	RAIKOT	S-NPP	30.73141	75.57186	12:54:00	D	3.40
539	LUDHIANA	RAIKOT	S-NPP	30.73224	75.57010	12:54:00	D	4.60
540	LUDHIANA	RAIKOT	S-NPP	30.74142	75.68373	12:54:00	D	3.10
541	LUDHIANA	RAIKOT	AQUA	30.76900	75.66300	13:50:00	D	6.70
542	MANSA	BUDHLADA	AQUA	29.75600	75.62100	13:50:00	D	12.10
543	MANSA	BUDHLADA	S-NPP	29.76576	75.62504	14:30:00	D	17.00
544	MANSA	BUDHLADA	S-NPP	29.76705	75.62302	14:30:00	D	20.10
545	MANSA	BUDHLADA	AQUA	29.78500	75.43400	13:50:00	D	6.70
546	MANSA	BUDHLADA	S-NPP	29.79663	75.66885	12:54:00	D	3.60
547	MANSA	BUDHLADA	S-NPP	29.87194	75.65331	12:54:00	D	2.20
548	MANSA	BUDHLADA	AQUA	29.90900	75.45300	13:50:00	D	13.90
549	MANSA	BUDHLADA	S-NPP	29.92005	75.47528	12:54:00	D	4.00
550	MANSA	BUDHLADA	AQUA	29.92400	75.49800	13:50:00	D	5.80
551	MANSA	BUDHLADA	AQUA	29.92600	75.50900	13:50:00	D	5.80
552	MANSA	BUDHLADA	S-NPP	29.98742	75.63123	12:54:00	D	4.50
553	MANSA	BUDHLADA	S-NPP	29.99418	75.63789	12:54:00	D	4.80
554	MANSA	BUDHLADA	S-NPP	30.00154	75.67036	12:54:00	D	1.70
555	MANSA	BUDHLADA	AQUA	30.00200	75.55000	13:50:00	D	5.50
556	MANSA	MANSA	S-NPP	29.94384	75.45322	14:30:00	D	14.00
557	MANSA	MANSA	S-NPP	29.94555	75.45078	14:30:00	D	19.70
558	MANSA	MANSA	S-NPP	29.95102	75.45296	14:30:00	D	6.10

559	MANSA	MANSA	AQUA	29.97900	75.51800	13:50:00	D	7.40
560	MANSA	MANSA	AQUA	30.00000	75.30400	13:50:00	D	9.50
561	MANSA	MANSA	S-NPP	30.00459	75.45901	12:54:00	D	1.10
562	MANSA	MANSA	AQUA	30.00800	75.29100	13:50:00	D	8.70
563	MANSA	MANSA	AQUA	30.01000	75.30300	13:50:00	D	8.30
564	MANSA	MANSA	AQUA	30.01800	75.59500	13:50:00	D	9.50
565	MANSA	MANSA	S-NPP	30.02065	75.48259	12:54:00	D	4.80
566	MANSA	MANSA	S-NPP	30.04278	75.49957	14:30:00	D	5.10
567	MANSA	MANSA	S-NPP	30.04282	75.55281	14:30:00	D	5.10
568	MANSA	MANSA	S-NPP	30.04497	75.40388	12:54:00	D	2.40
569	MANSA	MANSA	S-NPP	30.04802	75.40008	12:54:00	D	3.30
570	MANSA	MANSA	S-NPP	30.04881	75.40342	12:54:00	D	3.30
571	MANSA	MANSA	S-NPP	30.04994	75.40237	12:54:00	D	4.30
572	MANSA	MANSA	AQUA	30.08300	75.30700	13:50:00	D	5.30
573	MANSA	MANSA	AQUA	30.09600	75.32800	13:50:00	D	5.20
574	MANSA	MANSA	S-NPP	30.11974	75.50276	12:54:00	D	1.50
575	MANSA	MANSA	S-NPP	30.13101	75.41425	12:54:00	D	1.20
576	MANSA	MANSA	AQUA	30.13200	75.46300	13:50:00	D	9.10
577	MANSA	MANSA	AQUA	30.13700	75.46800	13:50:00	D	6.90
578	MANSA	MANSA	S-NPP	30.14474	75.42786	12:54:00	D	2.00
579	MANSA	MANSA	S-NPP	30.14969	75.42637	12:54:00	D	2.00
580	MANSA	MANSA	AQUA	30.16500	75.38100	13:50:00	D	6.60
581	MANSA	SARDULGARH	S-NPP	29.55489	75.27409	12:54:00	D	4.30
582	MANSA	SARDULGARH	S-NPP	29.56477	75.29340	12:54:00	D	3.90
583	MANSA	SARDULGARH	S-NPP	29.56558	75.29688	12:54:00	D	3.90
584	MANSA	SARDULGARH	AQUA	29.58600	75.30700	13:50:00	D	7.90
585	MANSA	SARDULGARH	S-NPP	29.59212	75.29921	14:30:00	D	5.00
586	MANSA	SARDULGARH	S-NPP	29.64795	75.22445	12:54:00	D	13.70
587	MANSA	SARDULGARH	S-NPP	29.64876	75.22794	12:54:00	D	13.70
588	MANSA	SARDULGARH	AQUA	29.66100	75.17300	13:50:00	D	5.50
589	MANSA	SARDULGARH	AQUA	29.67800	75.30700	13:50:00	D	6.70
590	MANSA	SARDULGARH	AQUA	29.68000	75.31900	13:50:00	D	5.80
591	MANSA	SARDULGARH	S-NPP	29.68264	75.28085	12:54:00	D	8.00

592	MANSA	SARDULGARH	S-NPP	29.68358	75.27908	12:54:00	D	8.00
593	MANSA	SARDULGARH	S-NPP	29.69272	75.27779	12:54:00	D	2.40
594	MANSA	SARDULGARH	S-NPP	29.69299	75.25545	12:54:00	D	2.40
595	MANSA	SARDULGARH	S-NPP	29.69380	75.25377	12:54:00	D	3.80
596	MANSA	SARDULGARH	S-NPP	29.69449	75.27948	12:54:00	D	4.50
597	MANSA	SARDULGARH	S-NPP	29.69535	75.33599	12:54:00	D	5.20
598	MANSA	SARDULGARH	S-NPP	29.69614	75.33942	12:54:00	D	5.20
599	MANSA	SARDULGARH	S-NPP	29.69745	75.33746	12:54:00	D	9.70
600	MANSA	SARDULGARH	S-NPP	29.69856	75.27970	12:54:00	D	2.40
601	MANSA	SARDULGARH	AQUA	29.74000	75.34300	13:50:00	D	9.70
602	MANSA	SARDULGARH	AQUA	29.74200	75.35400	13:50:00	D	8.50
603	MANSA	SARDULGARH	AQUA	29.78300	75.41100	13:50:00	D	5.60
604	MANSA	SARDULGARH	AQUA	29.78600	75.28400	13:50:00	D	4.80
605	MANSA	SARDULGARH	S-NPP	29.79320	75.41350	14:30:00	D	12.60
606	MANSA	SARDULGARH	S-NPP	29.79565	75.41107	14:30:00	D	13.60
607	MANSA	SARDULGARH	S-NPP	29.79746	75.26871	14:30:00	D	8.00
608	MANSA	SARDULGARH	NOAA-19	29.79944	75.39144	17:44:00	N	11.80
609	MANSA	SARDULGARH	S-NPP	29.81474	75.35687	12:54:00	D	2.10
610	MANSA	SARDULGARH	S-NPP	29.81724	75.35494	12:54:00	D	2.60
611	MANSA	SARDULGARH	S-NPP	29.91421	75.31098	12:54:00	D	2.20
612	MOGA	BAGHA PURANA	S-NPP	30.55646	75.09064	12:54:00	D	11.40
613	MOGA	BAGHA PURANA	S-NPP	30.55727	75.09404	12:54:00	D	11.30
614	MOGA	BAGHA PURANA	S-NPP	30.58556	74.98580	12:54:00	D	3.60
615	MOGA	BAGHA PURANA	S-NPP	30.61387	74.99180	12:54:00	D	7.30
616	MOGA	BAGHA PURANA	S-NPP	30.61425	75.03972	12:54:00	D	2.30
617	MOGA	BAGHA PURANA	S-NPP	30.61505	75.04315	12:54:00	D	2.30
618	MOGA	BAGHA PURANA	S-NPP	30.61600	74.99023	12:54:00	D	6.90
619	MOGA	BAGHA PURANA	AQUA	30.61700	75.02800	13:50:00	D	8.20
620	MOGA	BAGHA PURANA	S-NPP	30.61746	75.04137	12:54:00	D	4.10
621	MOGA	BAGHA PURANA	AQUA	30.67200	74.96700	13:50:00	D	17.80
622	MOGA	BAGHA PURANA	S-NPP	30.68311	74.93215	12:54:00	D	2.70
623	MOGA	BAGHA PURANA	AQUA	30.69700	74.94000	13:50:00	D	5.60
624	MOGA	BAGHA PURANA	S-NPP	30.70033	74.90688	12:54:00	D	1.50

625	MOGA	BAGHA PURANA	S-NPP	30.72050	74.95395	12:54:00	D	7.20
626	MOGA	BAGHA PURANA	S-NPP	30.72197	74.95221	12:54:00	D	4.30
627	MOGA	BAGHA PURANA	S-NPP	30.72226	75.03087	12:54:00	D	3.60
628	MOGA	BAGHA PURANA	S-NPP	30.72280	74.95565	12:54:00	D	4.30
629	MOGA	BAGHA PURANA	AQUA	30.72400	75.02100	13:50:00	D	5.60
630	MOGA	BAGHA PURANA	S-NPP	30.72418	75.02891	12:54:00	D	3.00
631	MOGA	BAGHA PURANA	S-NPP	30.72464	75.04114	12:54:00	D	3.80
632	MOGA	BAGHA PURANA	AQUA	30.72700	74.97400	13:50:00	D	19.30
633	MOGA	BAGHA PURANA	S-NPP	30.72855	74.97974	12:54:00	D	5.00
634	MOGA	BAGHA PURANA	AQUA	30.72900	74.98500	13:50:00	D	31.90
635	MOGA	BAGHA PURANA	S-NPP	30.72914	75.08356	12:54:00	D	3.50
636	MOGA	BAGHA PURANA	S-NPP	30.73324	75.04440	12:54:00	D	4.40
637	MOGA	BAGHA PURANA	S-NPP	30.73541	75.04144	12:54:00	D	2.60
638	MOGA	BAGHA PURANA	S-NPP	30.74145	75.09063	12:54:00	D	3.00
639	MOGA	BAGHA PURANA	S-NPP	30.74375	75.08849	12:54:00	D	3.00
640	MOGA	MOGA	S-NPP	30.68668	75.19798	12:54:00	D	1.40
641	MOGA	MOGA	S-NPP	30.76271	75.27429	12:54:00	D	4.60
642	MOGA	MOGA	AQUA	30.76300	75.26000	13:50:00	D	4.40
643	MOGA	MOGA	S-NPP	30.76687	75.26947	12:54:00	D	1.70
644	MOGA	MOGA	AQUA	30.79200	75.03200	13:50:00	D	4.20
645	MOGA	MOGA	AQUA	30.79300	75.04400	13:50:00	D	9.10
646	MOGA	MOGA	AQUA	30.80400	75.12400	13:50:00	D	6.00
647	MOGA	MOGA	AQUA	30.82500	74.95200	13:50:00	D	24.30
648	MOGA	MOGA	AQUA	30.82700	74.96300	13:50:00	D	4.80
649	MOGA	MOGA	AQUA	30.83300	75.09000	13:50:00	D	8.60
650	MOGA	MOGA	S-NPP	30.84970	75.06875	12:54:00	D	2.50
651	MOGA	MOGA	S-NPP	30.85132	75.06954	12:54:00	D	4.80
652	MOGA	MOGA	S-NPP	30.85466	75.06718	12:54:00	D	1.80
653	MOGA	MOGA	S-NPP	30.85763	74.98969	12:54:00	D	4.20
654	MOGA	NIHAL SINGH WALA	AQUA	30.51900	75.35600	13:50:00	D	10.30
655	MOGA	NIHAL SINGH WALA	AQUA	30.52800	75.20100	13:50:00	D	7.80
656	MOGA	NIHAL SINGH WALA	AQUA	30.54500	75.41100	13:50:00	D	19.60
657	MOGA	NIHAL SINGH WALA	S-NPP	30.57605	75.21881	12:54:00	D	3.00

658	MOGA	NIHAL SINGH WALA	S-NPP	30.58502	75.30182	12:54:00	D	7.00
659	MOGA	NIHAL SINGH WALA	S-NPP	30.60998	75.21679	14:30:00	D	10.10
660	MUKTSAR	GIDDARBAHA	S-NPP	30.12315	74.60838	12:54:00	D	2.50
661	MUKTSAR	GIDDARBAHA	AQUA	30.14700	74.59300	13:50:00	D	13.70
662	MUKTSAR	GIDDARBAHA	AQUA	30.28700	74.68500	13:50:00	D	8.30
663	MUKTSAR	GIDDARBAHA	AQUA	30.28900	74.69600	13:50:00	D	15.70
664	MUKTSAR	GIDDARBAHA	S-NPP	30.32427	74.52980	12:54:00	D	1.80
665	MUKTSAR	GIDDARBAHA	AQUA	30.33300	74.61500	13:50:00	D	16.70
666	MUKTSAR	GIDDARBAHA	S-NPP	30.33704	74.64577	14:30:00	D	10.60
667	MUKTSAR	GIDDARBAHA	S-NPP	30.34222	74.61389	14:30:00	D	5.30
668	MUKTSAR	GIDDARBAHA	S-NPP	30.34268	74.61652	14:30:00	D	7.30
669	MUKTSAR	GIDDARBAHA	AQUA	30.35200	74.75700	13:50:00	D	6.60
670	MUKTSAR	GIDDARBAHA	AQUA	30.38600	74.80700	13:50:00	D	9.80
671	MUKTSAR	GIDDARBAHA	S-NPP	30.38779	74.67957	12:54:00	D	3.10
672	MUKTSAR	GIDDARBAHA	S-NPP	30.38903	74.57549	14:30:00	D	11.90
673	MUKTSAR	GIDDARBAHA	AQUA	30.42000	74.72800	13:50:00	D	4.90
674	MUKTSAR	GIDDARBAHA	AQUA	30.42200	74.73900	13:50:00	D	4.20
675	MUKTSAR	GIDDARBAHA	S-NPP	30.42366	74.73823	12:54:00	D	5.40
676	MUKTSAR	GIDDARBAHA	S-NPP	30.42451	74.74182	12:54:00	D	5.40
677	MUKTSAR	GIDDARBAHA	AQUA	30.44700	74.64500	13:50:00	D	10.00
678	MUKTSAR	GIDDARBAHA	S-NPP	30.45579	74.62206	12:54:00	D	4.40
679	MUKTSAR	MALAUT	S-NPP	29.92614	74.61105	12:54:00	D	4.40
680	MUKTSAR	MALAUT	AQUA	29.93900	74.55400	13:50:00	D	24.50
681	MUKTSAR	MALAUT	S-NPP	29.96229	74.57782	14:30:00	D	12.70
682	MUKTSAR	MALAUT	S-NPP	29.96235	74.57385	14:30:00	D	9.90
683	MUKTSAR	MALAUT	S-NPP	29.96268	74.58099	14:30:00	D	10.50
684	MUKTSAR	MALAUT	S-NPP	29.96825	74.55613	14:30:00	D	11.00
685	MUKTSAR	MALAUT	S-NPP	29.96916	74.57745	14:30:00	D	12.70
686	MUKTSAR	MALAUT	AQUA	29.97900	74.56900	13:50:00	D	10.40
687	MUKTSAR	MALAUT	AQUA	29.98000	74.58000	13:50:00	D	5.20
688	MUKTSAR	MALAUT	AQUA	29.98900	74.43600	13:50:00	D	15.60
689	MUKTSAR	MALAUT	AQUA	30.00400	74.55400	13:50:00	D	7.80
690	MUKTSAR	MALAUT	S-NPP	30.01863	74.60955	12:54:00	D	3.30

691	MUKTSAR	MALAUT	AQUA	30.03500	74.52000	13:50:00	D	7.70
692	MUKTSAR	MALAUT	S-NPP	30.03889	74.59808	14:30:00	D	11.70
693	MUKTSAR	MALAUT	S-NPP	30.03912	74.60289	14:30:00	D	16.90
694	MUKTSAR	MALAUT	S-NPP	30.03918	74.60522	14:30:00	D	19.30
695	MUKTSAR	MALAUT	S-NPP	30.04059	74.46998	14:30:00	D	4.70
696	MUKTSAR	MALAUT	S-NPP	30.05478	74.46458	12:54:00	D	3.00
697	MUKTSAR	MALAUT	S-NPP	30.05570	74.46837	12:54:00	D	3.00
698	MUKTSAR	MALAUT	AQUA	30.05600	74.46200	13:50:00	D	3.80
699	MUKTSAR	MALAUT	S-NPP	30.05773	74.46812	12:54:00	D	3.10
700	MUKTSAR	MALAUT	AQUA	30.05900	74.56000	13:50:00	D	9.90
701	MUKTSAR	MALAUT	AQUA	30.08200	74.58900	13:50:00	D	6.50
702	MUKTSAR	MALAUT	AQUA	30.08300	74.60000	13:50:00	D	7.00
703	MUKTSAR	MALAUT	AQUA	30.08900	74.57700	13:50:00	D	35.40
704	MUKTSAR	MALAUT	AQUA	30.09100	74.58800	13:50:00	D	130.10
705	MUKTSAR	MALAUT	AQUA	30.09500	74.41500	13:50:00	D	15.60
706	MUKTSAR	MALAUT	AQUA	30.09700	74.42600	13:50:00	D	11.80
707	MUKTSAR	MALAUT	AQUA	30.10400	74.48000	13:50:00	D	9.90
708	MUKTSAR	MALAUT	S-NPP	30.10813	74.56909	12:54:00	D	5.90
709	MUKTSAR	MALAUT	S-NPP	30.10902	74.57281	12:54:00	D	5.90
710	MUKTSAR	MALAUT	S-NPP	30.11010	74.60047	12:54:00	D	6.40
711	MUKTSAR	MALAUT	S-NPP	30.11293	74.51933	12:54:00	D	4.40
712	MUKTSAR	MALAUT	S-NPP	30.15563	74.35842	12:54:00	D	3.70
713	MUKTSAR	MALAUT	S-NPP	30.17362	74.49216	12:54:00	D	3.40
714	MUKTSAR	MALAUT	S-NPP	30.17647	74.49039	12:54:00	D	5.40
715	MUKTSAR	MALAUT	AQUA	30.20700	74.35700	13:50:00	D	4.70
716	MUKTSAR	MALAUT	AQUA	30.20900	74.44400	13:50:00	D	4.60
717	MUKTSAR	MALAUT	AQUA	30.22900	74.38600	13:50:00	D	4.70
718	MUKTSAR	MALAUT	AQUA	30.23800	74.45000	13:50:00	D	8.00
719	MUKTSAR	MALAUT	S-NPP	30.25065	74.40219	12:54:00	D	5.60
720	MUKTSAR	MALAUT	S-NPP	30.25425	74.40263	12:54:00	D	6.50
721	MUKTSAR	MALAUT	S-NPP	30.26780	74.49802	12:54:00	D	2.30
722	MUKTSAR	MALAUT	AQUA	30.29400	74.31300	13:50:00	D	10.60
723	MUKTSAR	MALAUT	AQUA	30.29500	74.32400	13:50:00	D	14.10

724	MUKTSAR	MALAUT	AQUA	30.29700	74.47700	13:50:00	D	7.70
725	MUKTSAR	MALAUT	S-NPP	30.29836	74.44556	12:54:00	D	3.30
726	MUKTSAR	MALAUT	AQUA	30.30400	74.46500	13:50:00	D	19.80
727	MUKTSAR	MALAUT	AQUA	30.30600	74.40900	13:50:00	D	20.00
728	MUKTSAR	MALAUT	AQUA	30.30600	74.47600	13:50:00	D	35.70
729	MUKTSAR	MALAUT	AQUA	30.32400	74.33000	13:50:00	D	5.40
730	MUKTSAR	MALAUT	S-NPP	30.34553	74.36160	12:54:00	D	1.50
731	MUKTSAR	MALAUT	AQUA	30.34600	74.35900	13:50:00	D	18.70
732	MUKTSAR	MALAUT	AQUA	30.34800	74.36900	13:50:00	D	46.20
733	MUKTSAR	MALAUT	S-NPP	30.35298	74.38772	14:30:00	D	9.00
734	MUKTSAR	MALAUT	AQUA	30.36000	74.33900	13:50:00	D	5.60
735	MUKTSAR	MUKTSAR	S-NPP	30.34983	74.45557	14:30:00	D	2.30
736	MUKTSAR	MUKTSAR	AQUA	30.35000	74.45700	13:50:00	D	20.60
737	MUKTSAR	MUKTSAR	AQUA	30.35500	74.42300	13:50:00	D	4.90
738	MUKTSAR	MUKTSAR	S-NPP	30.37197	74.40204	12:54:00	D	7.80
739	MUKTSAR	MUKTSAR	S-NPP	30.37441	74.40056	12:54:00	D	22.70
740	MUKTSAR	MUKTSAR	S-NPP	30.37532	74.40433	12:54:00	D	19.80
741	MUKTSAR	MUKTSAR	S-NPP	30.37962	74.39893	12:54:00	D	22.70
742	MUKTSAR	MUKTSAR	S-NPP	30.38046	74.53206	12:54:00	D	4.70
743	MUKTSAR	MUKTSAR	S-NPP	30.38054	74.40269	12:54:00	D	19.80
744	MUKTSAR	MUKTSAR	S-NPP	30.38133	74.53577	12:54:00	D	4.70
745	MUKTSAR	MUKTSAR	S-NPP	30.38157	74.56142	14:30:00	D	6.40
746	MUKTSAR	MUKTSAR	AQUA	30.38700	74.40000	13:50:00	D	17.40
747	MUKTSAR	MUKTSAR	AQUA	30.38800	74.41100	13:50:00	D	15.30
748	MUKTSAR	MUKTSAR	AQUA	30.39300	74.44300	13:50:00	D	8.90
749	MUKTSAR	MUKTSAR	S-NPP	30.40046	74.39236	12:54:00	D	3.70
750	MUKTSAR	MUKTSAR	S-NPP	30.40334	74.42465	14:30:00	D	12.00
751	MUKTSAR	MUKTSAR	S-NPP	30.40591	74.50722	12:54:00	D	1.70
752	MUKTSAR	MUKTSAR	S-NPP	30.41432	74.31783	14:30:00	D	4.50
753	MUKTSAR	MUKTSAR	S-NPP	30.41700	74.42402	14:30:00	D	23.50
754	MUKTSAR	MUKTSAR	S-NPP	30.41835	74.42299	14:30:00	D	33.80
755	MUKTSAR	MUKTSAR	S-NPP	30.41917	74.31863	14:30:00	D	6.70
756	MUKTSAR	MUKTSAR	AQUA	30.42000	74.29600	13:50:00	D	6.30

757	MUKTSAR	MUKTSAR	AQUA	30.42300	74.31700	13:50:00	D	11.10
758	MUKTSAR	MUKTSAR	AQUA	30.42400	74.32800	13:50:00	D	11.30
759	MUKTSAR	MUKTSAR	S-NPP	30.42537	74.56467	12:54:00	D	2.30
760	MUKTSAR	MUKTSAR	S-NPP	30.42559	74.38033	12:54:00	D	7.70
761	MUKTSAR	MUKTSAR	AQUA	30.42600	74.41500	13:50:00	D	5.40
762	MUKTSAR	MUKTSAR	S-NPP	30.42649	74.38411	12:54:00	D	7.70
763	MUKTSAR	MUKTSAR	AQUA	30.42800	74.42600	13:50:00	D	14.90
764	MUKTSAR	MUKTSAR	S-NPP	30.43019	74.51554	12:54:00	D	2.60
765	MUKTSAR	MUKTSAR	S-NPP	30.43108	74.51925	12:54:00	D	2.60
766	MUKTSAR	MUKTSAR	S-NPP	30.43609	74.35170	14:30:00	D	3.70
767	MUKTSAR	MUKTSAR	AQUA	30.44900	74.58900	13:50:00	D	9.30
768	MUKTSAR	MUKTSAR	S-NPP	30.46638	74.60007	14:30:00	D	21.00
769	MUKTSAR	MUKTSAR	S-NPP	30.47294	74.60082	14:30:00	D	5.20
770	MUKTSAR	MUKTSAR	S-NPP	30.48012	74.35862	12:54:00	D	1.70
771	MUKTSAR	MUKTSAR	S-NPP	30.49137	74.42783	12:54:00	D	5.60
772	MUKTSAR	MUKTSAR	AQUA	30.49200	74.49700	13:50:00	D	6.30
773	MUKTSAR	MUKTSAR	S-NPP	30.50361	74.49744	14:30:00	D	10.40
774	MUKTSAR	MUKTSAR	S-NPP	30.50456	74.59495	12:54:00	D	2.60
775	MUKTSAR	MUKTSAR	S-NPP	30.51549	74.61836	12:54:00	D	3.40
776	MUKTSAR	MUKTSAR	S-NPP	30.51573	74.61887	12:54:00	D	3.20
777	MUKTSAR	MUKTSAR	S-NPP	30.51915	74.53996	14:30:00	D	6.30
778	MUKTSAR	MUKTSAR	S-NPP	30.52597	74.52457	12:54:00	D	1.90
779	MUKTSAR	MUKTSAR	AQUA	30.52600	74.40200	13:50:00	D	22.60
780	MUKTSAR	MUKTSAR	S-NPP	30.52829	74.43221	14:30:00	D	11.70
781	MUKTSAR	MUKTSAR	S-NPP	30.52903	74.43352	14:30:00	D	8.90
782	MUKTSAR	MUKTSAR	AQUA	30.53200	74.44500	13:50:00	D	8.80
783	MUKTSAR	MUKTSAR	AQUA	30.54100	74.58800	13:50:00	D	27.80
784	MUKTSAR	MUKTSAR	S-NPP	30.54511	74.55801	12:54:00	D	2.00
785	MUKTSAR	MUKTSAR	AQUA	30.54600	74.55400	13:50:00	D	5.40
786	MUKTSAR	MUKTSAR	AQUA	30.54800	74.49800	13:50:00	D	13.00
787	MUKTSAR	MUKTSAR	AQUA	30.55000	74.65400	13:50:00	D	18.40
788	MUKTSAR	MUKTSAR	AQUA	30.55100	74.58600	13:50:00	D	10.50
789	MUKTSAR	MUKTSAR	S-NPP	30.55533	74.42397	14:30:00	D	8.30

790	MUKTSAR	MUKTSAR	S-NPP	30.55611	74.42514	14:30:00	D	7.80
791	MUKTSAR	MUKTSAR	S-NPP	30.55903	74.59290	12:54:00	D	1.90
792	MUKTSAR	MUKTSAR	S-NPP	30.55941	74.50212	12:54:00	D	4.10
793	MUKTSAR	MUKTSAR	AQUA	30.56100	74.59600	13:50:00	D	9.60
794	MUKTSAR	MUKTSAR	S-NPP	30.56130	74.53319	12:54:00	D	3.00
795	MUKTSAR	MUKTSAR	S-NPP	30.56218	74.53687	12:54:00	D	5.00
796	MUKTSAR	MUKTSAR	S-NPP	30.56505	74.48772	14:30:00	D	3.50
797	MUKTSAR	MUKTSAR	AQUA	30.56900	74.38900	13:50:00	D	13.30
798	MUKTSAR	MUKTSAR	AQUA	30.57000	74.39900	13:50:00	D	13.10
799	MUKTSAR	MUKTSAR	S-NPP	30.57160	74.52991	12:54:00	D	4.40
800	MUKTSAR	MUKTSAR	S-NPP	30.57695	74.57549	12:54:00	D	7.10
801	MUKTSAR	MUKTSAR	AQUA	30.59000	74.61800	13:50:00	D	10.00
802	MUKTSAR	MUKTSAR	S-NPP	30.59007	74.58890	14:30:00	D	6.80
803	MUKTSAR	MUKTSAR	S-NPP	30.59588	74.60867	12:54:00	D	1.10
804	MUKTSAR	MUKTSAR	S-NPP	30.60082	74.53645	12:54:00	D	6.60
805	MUKTSAR	MUKTSAR	S-NPP	30.60277	74.63765	12:54:00	D	2.60
806	MUKTSAR	MUKTSAR	S-NPP	30.60457	74.43718	14:30:00	D	10.60
807	MUKTSAR	MUKTSAR	S-NPP	30.60476	74.53430	12:54:00	D	9.30
808	MUKTSAR	MUKTSAR	S-NPP	30.60596	74.53481	12:54:00	D	3.60
809	MUKTSAR	MUKTSAR	AQUA	30.60900	74.54800	13:50:00	D	32.10
810	MUKTSAR	MUKTSAR	AQUA	30.61600	74.60300	13:50:00	D	15.10
811	PATIALA	NABHA	AQUA	30.46300	76.33200	13:50:00	D	30.70
812	PATIALA	NABHA	AQUA	30.53300	76.31400	13:50:00	D	8.80
813	PATIALA	PATIALA	S-NPP	30.25092	76.18590	12:54:00	D	11.50
814	PATIALA	PATIALA	AQUA	30.42700	76.36900	13:50:00	D	18.50
815	PATIALA	PATIALA	AQUA	30.42800	76.37700	13:50:00	D	30.30
816	PATIALA	PATIALA	AQUA	30.42900	76.38200	13:50:00	D	30.00
817	PATIALA	PATIALA	AQUA	30.46500	76.34500	13:50:00	D	7.10
818	PATIALA	SAMANA	AQUA	29.81800	76.12000	13:50:00	D	11.50
819	PATIALA	SAMANA	AQUA	29.81900	76.13200	13:50:00	D	14.90
820	PATIALA	SAMANA	AQUA	29.84900	76.12200	13:50:00	D	6.10
821	PATIALA	SAMANA	AQUA	29.84900	76.12800	13:50:00	D	5.30
822	PATIALA	SAMANA	S-NPP	29.86864	76.06923	12:54:00	D	2.90

823	SANGRUR	DHURI	S-NPP	30.46956	75.68047	12:54:00	D	8.00
824	SANGRUR	MOONAK	AQUA	29.81600	75.84400	13:50:00	D	6.90
825	SANGRUR	MOONAK	AQUA	29.82500	76.09400	13:50:00	D	11.60
826	SANGRUR	MOONAK	AQUA	29.90600	75.93900	13:50:00	D	7.10
827	SANGRUR	MOONAK	S-NPP	29.91922	75.77570	14:30:00	D	8.60
828	SANGRUR	MOONAK	S-NPP	29.92377	75.91178	14:30:00	D	13.90
829	SANGRUR	SANGRUR	AQUA	30.16400	75.60600	13:50:00	D	12.60
830	SANGRUR	SANGRUR	S-NPP	30.18871	75.61983	12:54:00	D	6.80
831	SANGRUR	SANGRUR	AQUA	30.22100	75.68100	13:50:00	D	5.20
832	SANGRUR	SUNAM	AQUA	30.09300	76.04500	13:50:00	D	15.90
833	SANGRUR	SUNAM	S-NPP	30.10557	76.05465	12:54:00	D	5.80
834	SANGRUR	SUNAM	S-NPP	30.11992	76.05040	12:54:00	D	4.70
835	TARN TARAN	KHADOOR SAHIB	S-NPP	31.28481	75.01854	12:54:00	D	2.00
836	TARN TARAN	KHADOOR SAHIB	S-NPP	31.28566	75.01969	12:54:00	D	1.80
837	TARN TARAN	PATTI	S-NPP	31.31590	74.69720	12:54:00	D	1.50
838	TARN TARAN	PATTI	S-NPP	31.31787	74.69698	12:54:00	D	1.30

Details of residue burning events in Haryana on 20-Nov-2020

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	AMBALA	AMBALA	NOAA-19	30.25399	76.84149	17:44:00	N	10.00
2	FATEHABAD	FATEHABAD	S-NPP	29.50800	75.40415	12:54:00	D	1.70
3	FATEHABAD	FATEHABAD	S-NPP	29.50928	75.40228	12:54:00	D	1.30
4	FATEHABAD	FATEHABAD	S-NPP	29.51101	75.58065	12:54:00	D	2.20
5	FATEHABAD	FATEHABAD	S-NPP	29.51202	75.33631	14:30:00	D	17.10
6	FATEHABAD	FATEHABAD	AQUA	29.51500	75.39300	13:50:00	D	10.00
7	FATEHABAD	FATEHABAD	AQUA	29.55300	75.53700	13:50:00	D	6.80
8	FATEHABAD	FATEHABAD	S-NPP	29.56484	75.61635	12:54:00	D	5.60
9	FATEHABAD	FATEHABAD	AQUA	29.56700	75.41900	13:50:00	D	8.50
10	FATEHABAD	FATEHABAD	AQUA	29.57000	75.37200	13:50:00	D	11.80
11	FATEHABAD	FATEHABAD	AQUA	29.57200	75.38400	13:50:00	D	14.20
12	FATEHABAD	FATEHABAD	AQUA	29.57500	75.55700	13:50:00	D	6.70
13	FATEHABAD	FATEHABAD	AQUA	29.57600	75.37700	13:50:00	D	25.20
14	FATEHABAD	FATEHABAD	AQUA	29.57800	75.51000	13:50:00	D	10.20
15	FATEHABAD	FATEHABAD	S-NPP	29.58221	75.47616	14:30:00	D	7.70
16	FATEHABAD	FATEHABAD	S-NPP	29.58442	75.47365	14:30:00	D	5.50
17	FATEHABAD	FATEHABAD	S-NPP	29.59075	75.50798	14:30:00	D	10.40
18	FATEHABAD	FATEHABAD	S-NPP	29.59278	75.50543	14:30:00	D	14.40
19	FATEHABAD	FATEHABAD	AQUA	29.59800	75.32700	13:50:00	D	4.50
20	FATEHABAD	FATEHABAD	S-NPP	29.60697	75.45312	12:54:00	D	4.70
21	FATEHABAD	FATEHABAD	AQUA	29.60800	75.66900	13:50:00	D	9.20
22	FATEHABAD	FATEHABAD	AQUA	29.61200	75.70400	13:50:00	D	5.90
23	FATEHABAD	FATEHABAD	AQUA	29.61400	75.71600	13:50:00	D	12.20
24	FATEHABAD	FATEHABAD	S-NPP	29.61509	75.33814	12:54:00	D	2.00
25	FATEHABAD	FATEHABAD	AQUA	29.61700	75.70900	13:50:00	D	7.90
26	FATEHABAD	RATIA	AQUA	29.61100	75.58100	13:50:00	D	6.90
27	FATEHABAD	RATIA	AQUA	29.61200	75.59200	13:50:00	D	13.80
28	FATEHABAD	RATIA	AQUA	29.61300	75.52200	13:50:00	D	4.50
29	FATEHABAD	RATIA	S-NPP	29.61495	75.52070	14:30:00	D	9.20
30	FATEHABAD	RATIA	AQUA	29.62600	75.62500	13:50:00	D	22.90

31	FATEHABAD	RATIA	S-NPP	29.63197	75.63171	12:54:00	D	4.80
32	FATEHABAD	RATIA	NOAA-19	29.66110	75.62098	17:44:00	N	13.63
33	FATEHABAD	RATIA	AQUA	29.66300	75.53700	13:50:00	D	12.20
34	FATEHABAD	RATIA	NOAA-19	29.66335	75.51664	17:44:00	N	13.00
35	FATEHABAD	RATIA	AQUA	29.66400	75.54800	13:50:00	D	4.50
36	FATEHABAD	RATIA	NOAA-19	29.69105	75.61532	17:44:00	N	7.00
37	FATEHABAD	RATIA	S-NPP	29.70682	75.61680	12:54:00	D	20.60
38	FATEHABAD	RATIA	S-NPP	29.70758	75.62010	12:54:00	D	36.40
39	FATEHABAD	RATIA	AQUA	29.71000	75.55800	13:50:00	D	8.90
40	FATEHABAD	RATIA	AQUA	29.71100	75.56900	13:50:00	D	10.10
41	FATEHABAD	RATIA	S-NPP	29.71671	75.65958	12:54:00	D	3.70
42	FATEHABAD	RATIA	AQUA	29.72100	75.41600	13:50:00	D	5.60
43	FATEHABAD	RATIA	S-NPP	29.72548	75.58293	12:54:00	D	12.70
44	FATEHABAD	RATIA	S-NPP	29.72623	75.58624	12:54:00	D	30.00
45	FATEHABAD	RATIA	AQUA	29.73000	75.41400	13:50:00	D	10.40
46	FATEHABAD	RATIA	S-NPP	29.73123	75.41373	14:30:00	D	11.00
47	FATEHABAD	RATIA	AQUA	29.73200	75.57700	13:50:00	D	8.20
48	FATEHABAD	RATIA	S-NPP	29.73281	75.52016	14:30:00	D	16.60
49	FATEHABAD	RATIA	S-NPP	29.73312	75.52825	14:30:00	D	16.60
50	FATEHABAD	RATIA	S-NPP	29.73469	75.51815	14:30:00	D	17.60
51	FATEHABAD	RATIA	S-NPP	29.73495	75.52625	14:30:00	D	30.90
52	FATEHABAD	RATIA	S-NPP	29.73562	75.40765	14:30:00	D	13.90
53	FATEHABAD	RATIA	S-NPP	29.73644	75.65369	12:54:00	D	10.80
54	FATEHABAD	RATIA	S-NPP	29.73690	75.58658	12:54:00	D	3.80
55	FATEHABAD	RATIA	S-NPP	29.73870	75.46665	12:54:00	D	2.50
56	FATEHABAD	RATIA	S-NPP	29.74075	75.46406	12:54:00	D	2.00
57	FATEHABAD	RATIA	S-NPP	29.74212	75.52646	12:54:00	D	3.50
58	FATEHABAD	RATIA	AQUA	29.74300	75.67000	13:50:00	D	20.80
59	FATEHABAD	RATIA	S-NPP	29.74733	75.43523	12:54:00	D	4.30
60	FATEHABAD	RATIA	AQUA	29.75000	75.49200	13:50:00	D	4.90
61	FATEHABAD	RATIA	S-NPP	29.75312	75.48712	14:30:00	D	14.00
62	FATEHABAD	RATIA	AQUA	29.75500	75.45600	13:50:00	D	9.70
63	FATEHABAD	RATIA	S-NPP	29.75518	75.48499	14:30:00	D	8.80

64	FATEHABAD	RATIA	NOAA-19	29.75992	75.45841	17:44:00	N	11.00
65	FATEHABAD	TOHANA	AQUA	29.58500	75.87600	13:50:00	D	7.50
66	FATEHABAD	TOHANA	AQUA	29.58700	75.88800	13:50:00	D	6.60
67	JIND	NARWANA	AQUA	29.66700	76.04000	13:50:00	D	7.40
68	JIND	NARWANA	AQUA	29.68300	76.09900	13:50:00	D	6.70
69	JIND	NARWANA	AQUA	29.69600	76.12100	13:50:00	D	5.70
70	JIND	NARWANA	S-NPP	29.73192	76.02583	12:54:00	D	3.40
71	JIND	NARWANA	S-NPP	29.79053	76.17333	12:54:00	D	1.90
72	JIND	NARWANA	S-NPP	29.79311	76.17226	12:54:00	D	5.10
73	JIND	NARWANA	AQUA	29.81400	76.17100	13:50:00	D	16.00
74	KAITHAL	GUHLA	AQUA	30.08800	76.33800	13:50:00	D	12.30
75	KAITHAL	GUHLA	AQUA	30.08900	76.35100	13:50:00	D	8.60
76	PALWAL	HATHIN	NOAA-19	28.05012	77.27826	17:44:00	N	6.33
77	PALWAL	PALWAL	NOAA-19	28.09579	77.29524	17:44:00	N	9.50
78	PANIPAT	PANIPAT	NOAA-19	29.33771	77.01135	17:44:00	N	9.50
79	PANIPAT	SAMALKHA	S-NPP	29.40609	77.07745	12:54:00	D	1.80
80	ROHTAK	ROHTAK	NOAA-19	28.71787	76.40958	17:44:00	N	7.00
81	ROHTAK	ROHTAK	S-NPP	28.77721	76.51424	12:48:00	D	4.80
82	ROHTAK	ROHTAK	S-NPP	28.77973	76.51530	12:48:00	D	4.00
83	ROHTAK	ROHTAK	S-NPP	28.94134	76.53114	12:54:00	D	2.10
84	SIRSA	DABWALI	S-NPP	29.93373	74.73608	12:54:00	D	5.30
85	SIRSA	ELLENABAD	AQUA	29.48300	74.70400	13:50:00	D	8.00
86	SIRSA	ELLENABAD	AQUA	29.49700	74.68500	13:50:00	D	5.90
87	SIRSA	ELLENABAD	AQUA	29.49700	74.76200	13:50:00	D	6.90
88	SIRSA	ELLENABAD	AQUA	29.49800	74.69600	13:50:00	D	11.30
89	SIRSA	ELLENABAD	AQUA	29.50900	74.63900	13:50:00	D	6.80
90	SIRSA	ELLENABAD	S-NPP	29.52349	74.63880	14:30:00	D	5.20
91	SIRSA	ELLENABAD	METOP-2	29.52635	74.65768	20:18:00	N	10.00
92	SIRSA	RANIA	S-NPP	29.49831	74.84478	14:30:00	D	7.20
93	SIRSA	RANIA	AQUA	29.50400	74.86500	13:50:00	D	4.70
94	SIRSA	RANIA	AQUA	29.52900	74.78900	13:50:00	D	4.20
95	SIRSA	RANIA	AQUA	29.53000	74.80000	13:50:00	D	6.40
96	SIRSA	RANIA	AQUA	29.54500	74.69800	13:50:00	D	5.10

97	SIRSA	RANIA	S-NPP	29.57598	74.61073	01:36:00	N	0.40
98	SIRSA	SIRSA	AQUA	29.39200	75.14700	13:50:00	D	6.90
99	SIRSA	SIRSA	AQUA	29.39300	75.15800	13:50:00	D	6.20
100	SIRSA	SIRSA	S-NPP	29.45002	74.91975	12:54:00	D	2.50
101	SIRSA	SIRSA	S-NPP	29.45248	74.91302	14:30:00	D	7.80
102	SIRSA	SIRSA	S-NPP	29.46609	74.90497	14:30:00	D	6.70
103	SIRSA	SIRSA	AQUA	29.48600	74.94600	13:50:00	D	8.20
104	SIRSA	SIRSA	AQUA	29.48800	74.95700	13:50:00	D	4.80
105	SIRSA	SIRSA	AQUA	29.51400	74.94100	13:50:00	D	4.80
106	SIRSA	SIRSA	AQUA	29.54000	75.28600	13:50:00	D	9.50
107	SIRSA	SIRSA	S-NPP	29.55781	75.14605	14:30:00	D	7.60
108	SIRSA	SIRSA	S-NPP	29.55984	75.28750	14:30:00	D	7.30
109	SIRSA	SIRSA	S-NPP	29.56085	75.14852	14:30:00	D	7.70
110	SIRSA	SIRSA	NOAA-19	29.58325	75.17856	17:44:00	N	8.00
111	SIRSA	SIRSA	S-NPP	29.62032	75.12040	14:30:00	D	12.10
112	SIRSA	SIRSA	S-NPP	29.62498	75.11601	14:30:00	D	22.40
113	SIRSA	SIRSA	AQUA	29.63600	75.12100	13:50:00	D	21.00
114	SIRSA	SIRSA	AQUA	29.63700	75.13200	13:50:00	D	10.40
115	SIRSA	SIRSA	AQUA	29.66000	75.16200	13:50:00	D	5.70
116	SIRSA	SIRSA	AQUA	29.70900	75.17600	13:50:00	D	6.10
117	SIRSA	SIRSA	AQUA	29.71100	75.18800	13:50:00	D	6.60
118	SIRSA	SIRSA	S-NPP	29.78931	75.12292	12:54:00	D	3.10
119	SONIPAT	GOHANA	AQUA	29.08000	76.67300	13:50:00	D	5.50
120	SONIPAT	SONIPAT	S-NPP	28.88658	77.10997	01:36:00	N	0.60

Details of residue burning events in Uttar Pradesh on 20-Nov-2020

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	ALLAHABAD	PHULPUR	NOAA-19	25.59173	82.03412	17:44:00	N	7.00
2	AMBEDKARNAGAR	ALAPUR	S-NPP	26.44384	83.02227	12:48:00	D	2.70
3	AMBEDKARNAGAR	ALAPUR	S-NPP	26.45131	82.82977	01:36:00	N	0.40
4	AMBEDKARNAGAR	JALALPUR	S-NPP	26.33262	82.76595	12:48:00	D	3.10
5	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39607	82.70468	12:48:00	D	2.80
6	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39717	82.70573	12:48:00	D	2.80
7	AMETHI	GAURIGANJ	NOAA-19	26.29242	81.61677	17:44:00	N	10.00
8	AMROHA	AMROHA	NOAA-19	28.81669	78.46722	17:44:00	N	7.00
9	AMROHA	AMROHA	S-NPP	29.11746	78.65810	12:48:00	D	3.00
10	AZAMGARH	NIZAMABAD	NOAA-19	25.94208	82.87853	17:44:00	N	7.00
11	BADAUN	BISAU LI	NOAA-19	28.16541	79.06413	17:44:00	N	8.00
12	BAGHPAT	BARAUT	S-NPP	29.14283	77.40581	12:54:00	D	5.20
13	BAGHPAT	BARAUT	S-NPP	29.19030	77.44880	12:54:00	D	2.30
14	BAHRAICH	NANPARA	S-NPP	28.00972	81.50142	12:48:00	D	3.50
15	BALLIA	BANSDIH	TERRA	25.90000	84.11600	10:40:00	D	4.80
16	BALLIA	RASRA	S-NPP	25.85700	83.97041	12:48:00	D	2.10
17	BALLIA	RASRA	S-NPP	25.86588	83.95999	12:48:00	D	2.20
18	BALLIA	RASRA	S-NPP	25.88189	84.01252	12:48:00	D	3.20
19	BALLIA	RASRA	S-NPP	25.97935	83.86459	12:48:00	D	4.00
20	BALLIA	RASRA	S-NPP	26.00298	83.92017	12:48:00	D	5.90
21	BALLIA	SIKANDARPUR	S-NPP	25.93044	83.96394	12:48:00	D	5.70
22	BALLIA	SIKANDARPUR	S-NPP	25.96274	84.00880	12:48:00	D	2.40
23	BALRAMPUR	TULSIPUR	S-NPP	27.38808	82.51243	12:48:00	D	2.90
24	BALRAMPUR	UTRAULA	TERRA	27.35900	82.37400	10:40:00	D	4.90
25	BAREILLY	FARIDPUR	S-NPP	28.11165	79.64276	01:36:00	N	0.60
26	BAREILLY	FARIDPUR	S-NPP	28.11225	79.63924	01:36:00	N	0.90
27	BAREILLY	MIRGANJ	S-NPP	28.68203	79.32617	12:48:00	D	1.90
28	BIJNOR	BIJNOR	S-NPP	29.48199	78.03624	12:54:00	D	3.00
29	BIJNOR	NAGINA	NOAA-19	29.66559	78.48663	17:44:00	N	7.50
30	BULANSAHAR	SIYANA	S-NPP	28.47050	78.07265	01:36:00	N	0.30

31	DEORIA	DEORIA	S-NPP	26.44627	83.86620	12:48:00	D	2.60
32	DEORIA	DEORIA	S-NPP	26.55758	83.77469	12:48:00	D	2.90
33	DEORIA	DEORIA	S-NPP	26.56101	83.77397	12:48:00	D	2.90
34	DEORIA	DEORIA	S-NPP	26.57186	83.73271	12:48:00	D	2.20
35	DEORIA	DEORIA	NOAA-19	26.58886	83.71323	17:44:00	N	8.00
36	DEORIA	DEORIA	S-NPP	26.60596	83.71310	12:48:00	D	2.20
37	DEORIA	DEORIA	S-NPP	26.61756	83.69765	12:48:00	D	2.50
38	DEORIA	DEORIA	TERRA	26.64200	83.78100	10:40:00	D	5.10
39	DEORIA	DEORIA	TERRA	26.64900	83.79200	10:40:00	D	5.40
40	DEORIA	DEORIA	S-NPP	26.67054	83.66122	12:48:00	D	1.90
41	FAIZABAD	FAIZSBAD	S-NPP	26.68514	82.28013	12:48:00	D	2.60
42	FARRUKHABAD	KARIMGANJ	S-NPP	27.46997	79.42416	12:48:00	D	1.40
43	FATEHPUR	FATEHPUR	S-NPP	25.81551	80.77576	12:48:00	D	2.40
44	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.13967	77.70827	01:36:00	N	1.00
45	GAUTAMBUDHNAGAR	JEVAR	NOAA-19	28.23278	77.68590	17:44:00	N	6.00
46	GAZIPUR	MUHAMMADBAD	S-NPP	25.66336	83.77469	12:48:00	D	2.10
47	GAZIPUR	MUHAMMADBAD	S-NPP	25.73856	83.75022	01:36:00	N	0.70
48	GAZIPUR	MUHAMMADBAD	NOAA-19	25.77140	83.78117	17:44:00	N	10.00
49	GAZIPUR	MUHAMMADBAD	NOAA-19	25.78936	83.77147	17:44:00	N	13.00
50	GORAKHPUR	GORAKHPUR	S-NPP	26.75983	83.50730	12:48:00	D	2.80
51	GORAKHPUR	GORAKHPUR	S-NPP	26.80199	83.50282	12:48:00	D	2.90
52	GORAKHPUR	GORAKHPUR	S-NPP	26.80544	83.50209	12:48:00	D	2.90
53	GORAKHPUR	GORAKHPUR	NOAA-19	26.82243	83.51911	17:44:00	N	7.00
54	GORAKHPUR	GORAKHPUR	S-NPP	26.92435	83.43450	12:48:00	D	2.40
55	HAMIRPUR	HAMIRPUR	S-NPP	26.01604	79.91159	12:48:00	D	2.30
56	HAPUR	HAPUR	S-NPP	28.77287	77.87999	12:48:00	D	2.50
57	HARDOI	SIWAIIPUR	S-NPP	27.34579	79.72535	01:36:00	N	0.40
58	JALAUN	MADHOGARH	S-NPP	26.18214	79.24835	12:48:00	D	4.40
59	JALAUN	MADHOGARH	S-NPP	26.18233	79.24967	12:48:00	D	6.50
60	JAUNPUR	JAUNPUR	NOAA-19	25.85224	82.74265	17:44:00	N	7.00
61	JAUNPUR	KIRAKAT	S-NPP	25.58189	82.72462	12:48:00	D	3.10
62	JAUNPUR	SHHGANJ	NOAA-19	25.87021	82.75235	17:44:00	N	6.00
63	JAUNPUR	SHHGANJ	S-NPP	25.90096	82.76727	12:48:00	D	3.10

64	JAUNPUR	SHHGANJ	NOAA-19	26.14869	82.57765	17:44:00	N	7.00
65	JHANSI	MOTH	AQUA	25.67800	78.92600	13:50:00	D	18.30
66	JHANSI	MOTH	AQUA	25.67900	78.94100	13:50:00	D	22.00
67	JHANSI	MOTH	S-NPP	25.68186	78.93180	12:48:00	D	4.20
68	JHANSI	MOTH	S-NPP	25.68362	78.93320	12:48:00	D	4.50
69	JHANSI	MOTH	S-NPP	25.68595	78.85452	12:48:00	D	5.70
70	JHANSI	MOTH	S-NPP	25.70485	78.85504	12:48:00	D	6.00
71	JHANSI	MOTH	S-NPP	25.70657	78.88594	12:48:00	D	5.70
72	JHANSI	MOTH	S-NPP	25.71620	78.84171	12:48:00	D	6.60
73	JHANSI	MOTH	S-NPP	25.71791	78.80441	12:48:00	D	3.90
74	JHANSI	MOTH	S-NPP	25.71995	78.88262	12:48:00	D	12.90
75	JHANSI	MOTH	S-NPP	25.72719	78.84944	12:48:00	D	3.20
76	JHANSI	MOTH	S-NPP	25.72747	78.89635	12:48:00	D	3.90
77	JHANSI	MOTH	S-NPP	25.73013	78.93199	12:48:00	D	6.20
78	JHANSI	MOTH	S-NPP	25.73115	78.93693	12:48:00	D	9.70
79	JHANSI	MOTH	S-NPP	25.73192	78.89524	12:48:00	D	4.10
80	JHANSI	MOTH	S-NPP	25.73716	78.90760	01:36:00	N	0.30
81	JHANSI	MOTH	AQUA	25.75300	78.87800	13:50:00	D	18.60
82	JHANSI	MOTH	S-NPP	25.77126	78.97337	12:48:00	D	2.60
83	JHANSI	MOTH	S-NPP	25.78053	78.91641	12:48:00	D	3.80
84	JHANSI	MOTH	S-NPP	25.78259	78.92624	12:48:00	D	4.30
85	JHANSI	MOTH	S-NPP	25.79831	78.91199	12:48:00	D	2.00
86	KAUSHAMBI	MANJHANPUR	S-NPP	25.33832	81.41567	12:48:00	D	3.30
87	KAUSHAMBI	MANJHANPUR	S-NPP	25.38703	81.37406	12:48:00	D	2.60
88	KAUSHAMBI	MANJHANPUR	S-NPP	25.44831	81.26905	12:48:00	D	3.10
89	KAUSHAMBI	MANJHANPUR	S-NPP	25.48185	81.25990	12:48:00	D	3.40
90	KAUSHAMBI	MANJHANPUR	S-NPP	25.48343	81.26104	12:48:00	D	6.90
91	KAUSHAMBI	MANJHANPUR	S-NPP	25.50554	81.27740	12:48:00	D	10.60
92	KAUSHAMBI	MANJHANPUR	NOAA-19	25.51088	81.40324	17:44:00	N	7.00
93	KHERI	GOLA	S-NPP	27.88437	80.30875	01:36:00	N	0.90
94	KHERI	GOLA	S-NPP	28.15391	80.62366	12:48:00	D	3.00
95	KHERI	LAKHIMPUR	NOAA-19	27.91837	80.75295	17:44:00	N	10.00
96	KHERI	LAKHIMPUR	S-NPP	27.97591	80.83618	12:48:00	D	3.20

97	KHERI	LAKHIMPUR	NOAA-19	28.00820	80.73839	17:44:00	N	8.00
98	KHERI	LAKHIMPUR	S-NPP	28.07139	80.76552	12:48:00	D	10.40
99	KHERI	LAKHIMPUR	S-NPP	28.10424	80.72121	12:48:00	D	12.70
100	KHERI	MOHMADI	NOAA-19	27.82405	80.10266	17:44:00	N	7.00
101	KHERI	MOHMADI	S-NPP	27.85842	80.28018	01:36:00	N	0.80
102	KHERI	MOHMADI	S-NPP	27.88866	80.07407	01:36:00	N	0.70
103	KHERI	MOHMADI	S-NPP	27.90629	80.11165	01:36:00	N	0.50
104	KHERI	MOHMADI	S-NPP	28.00022	80.12866	01:36:00	N	1.10
105	KHERI	MOHMADI	S-NPP	28.14607	80.26080	01:36:00	N	0.40
106	KHERI	PALIA KALAN	NOAA-19	28.48431	80.54427	17:44:00	N	10.00
107	KHERI	PALIA KALAN	NOAA-19	28.48880	80.56854	17:44:00	N	7.00
108	KHERI	PALIA KALAN	NOAA-19	28.60708	80.64942	17:44:00	N	12.67
109	KUSHINAGAR	HATA	S-NPP	26.75802	83.67339	12:48:00	D	2.80
110	KUSHINAGAR	HATA	S-NPP	26.79251	83.61443	12:48:00	D	3.20
111	KUSHINAGAR	HATA	S-NPP	26.86612	83.71732	01:36:00	N	1.80
112	KUSHINAGAR	HATA	S-NPP	26.87809	83.72758	01:36:00	N	0.70
113	KUSHINAGAR	HATA	S-NPP	26.95497	83.62682	01:36:00	N	0.60
114	KUSHINAGAR	KASAYA	S-NPP	26.71585	84.02574	01:36:00	N	0.80
115	KUSHINAGAR	TAMKUHI RAJ	S-NPP	26.72644	84.06245	01:36:00	N	0.60
116	KUSHINAGAR	TAMKUHI RAJ	S-NPP	26.77414	84.04336	12:48:00	D	3.30
117	MAHARAJGANJ	MAHARAJGANJ	NOAA-19	26.91525	83.60323	17:44:00	N	10.67
118	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.05687	83.55831	01:36:00	N	0.60
119	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06406	83.59941	01:36:00	N	0.30
120	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.07720	83.68932	01:36:00	N	0.40
121	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.17083	83.56395	12:48:00	D	3.00
122	MAHARAJGANJ	NAUTANWA	S-NPP	27.31574	83.43025	12:48:00	D	7.70
123	MAHARAJGANJ	PHARENDA	S-NPP	27.11696	83.32349	01:36:00	N	0.60
124	MAHARAJGANJ	PHARENDA	NOAA-19	27.29853	83.29103	17:44:00	N	23.00
125	MAU	MAU	S-NPP	25.92661	83.72318	12:48:00	D	2.70
126	MAU	MAU	S-NPP	25.97860	83.73427	12:48:00	D	2.30
127	MEERUT	MEERUT	S-NPP	29.02345	77.62409	12:48:00	D	2.70
128	MEERUT	SARDHANA	NOAA-19	29.10415	77.51120	17:44:00	N	13.00
129	MUZAFARNAGAR	KHATOLI	S-NPP	29.33257	77.71391	12:54:00	D	3.70

130	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.54989	77.56486	12:54:00	D	2.30
131	PILHIBHIT	PILHIBHIT	S-NPP	28.66854	79.68465	12:48:00	D	1.00
132	PRATAPGARH	PRATAPGARH	TERRA	26.13800	81.61100	10:40:00	D	7.70
133	PRATAPGARH	KUNDA	S-NPP	25.84663	81.43457	12:48:00	D	7.70
134	RAMPUR	BILASPUR	S-NPP	28.90069	79.34780	01:36:00	N	0.80
135	RAMPUR	BILASPUR	S-NPP	28.91467	79.29601	12:48:00	D	2.80
136	RAMPUR	BILASPUR	S-NPP	28.96994	79.27003	01:36:00	N	0.60
137	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.84676	82.94095	12:48:00	D	3.80
138	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92184	82.87492	12:48:00	D	4.60
139	SANTRAVIDASNAGAR	BHADOHI	S-NPP	25.39851	82.49828	12:48:00	D	3.40
140	SHAHJAHANPUR	PUWANYA	S-NPP	28.15461	80.13361	01:36:00	N	1.10
141	SHAHJAHANPUR	PUWANYA	S-NPP	28.15630	80.13143	01:36:00	N	0.60
142	SHAHJAHANPUR	PUWANYA	S-NPP	28.17853	80.00211	01:36:00	N	0.40
143	SHAHJAHANPUR	PUWANYA	S-NPP	28.18223	80.00272	01:36:00	N	0.40
144	SHAHJAHANPUR	TILHAR	TERRA	28.01000	79.84100	10:40:00	D	5.60
145	SHAMLI	KAIRANA	NOAA-19	29.30776	77.20384	17:44:00	N	10.00
146	SHAMLI	SHAMLI	S-NPP	29.57323	77.41028	12:54:00	D	2.60
147	SHARANPUR	DEOBAND	S-NPP	29.78560	77.62596	12:54:00	D	1.80
148	SHRAWASTI	BHINGA	S-NPP	27.76649	81.70813	01:36:00	N	0.90
149	SHRAWASTI	BHINGA	S-NPP	27.79721	82.01031	01:36:00	N	0.40
150	SIDDHARTHANAGAR	BANSI	NOAA-19	27.16379	82.80088	17:44:00	N	7.00
151	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.21631	82.58569	12:48:00	D	2.20
152	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.22516	82.67810	12:48:00	D	1.60
153	SIDDHARTHANAGAR	ITWA	S-NPP	27.36582	82.57424	12:48:00	D	1.80
154	SIDDHARTHANAGAR	ITWA	S-NPP	27.36937	82.57346	12:48:00	D	1.80
155	SIDDHARTHANAGAR	ITWA	NOAA-19	27.37040	82.59221	17:44:00	N	7.50
156	SIDDHARTHANAGAR	ITWA	NOAA-19	27.39735	82.56794	17:44:00	N	7.00
157	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.39372	82.98000	12:48:00	D	4.00
158	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.39721	82.97923	12:48:00	D	4.00
159	SULTANPUR	KADIRPUR	S-NPP	26.21744	82.50123	12:48:00	D	2.80
160	SULTANPUR	KADIRPUR	S-NPP	26.23112	82.42973	12:48:00	D	4.80

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)
