



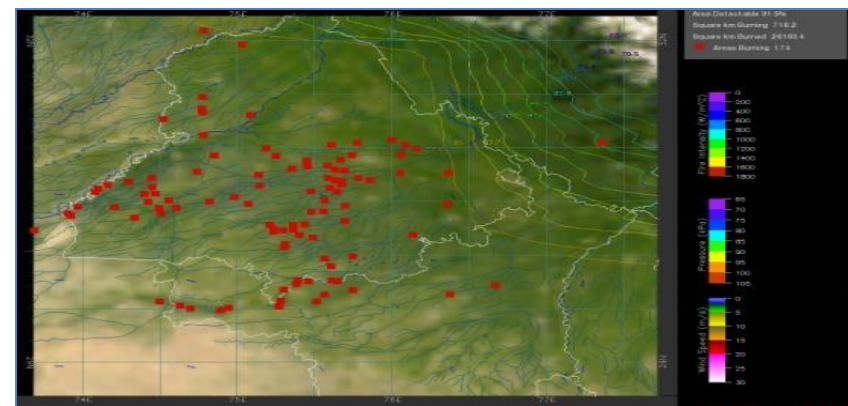
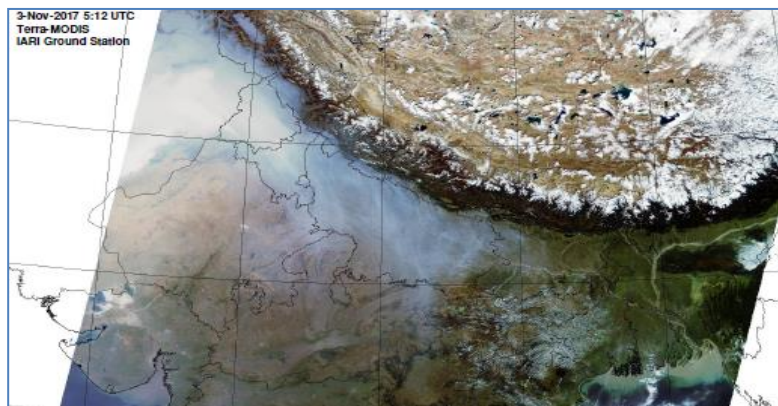
**Bulletin
No. 57**

**Events Date:
10-Nov-2023**

**Issued on:
10-Nov-2023**



MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023



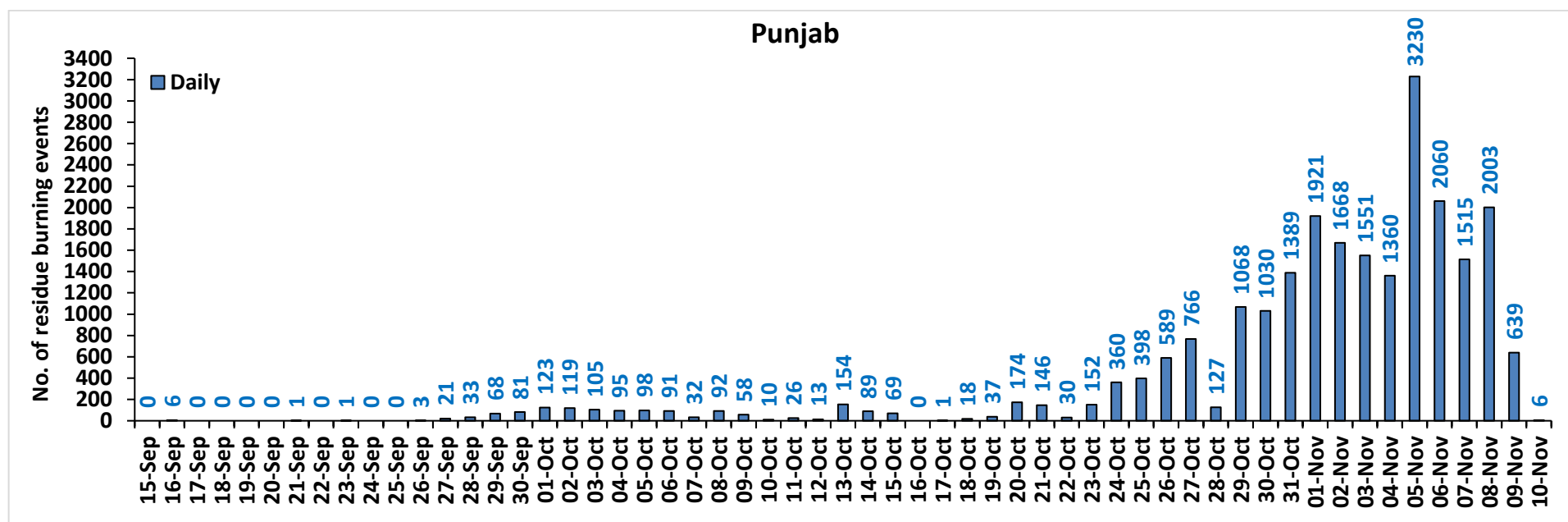
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

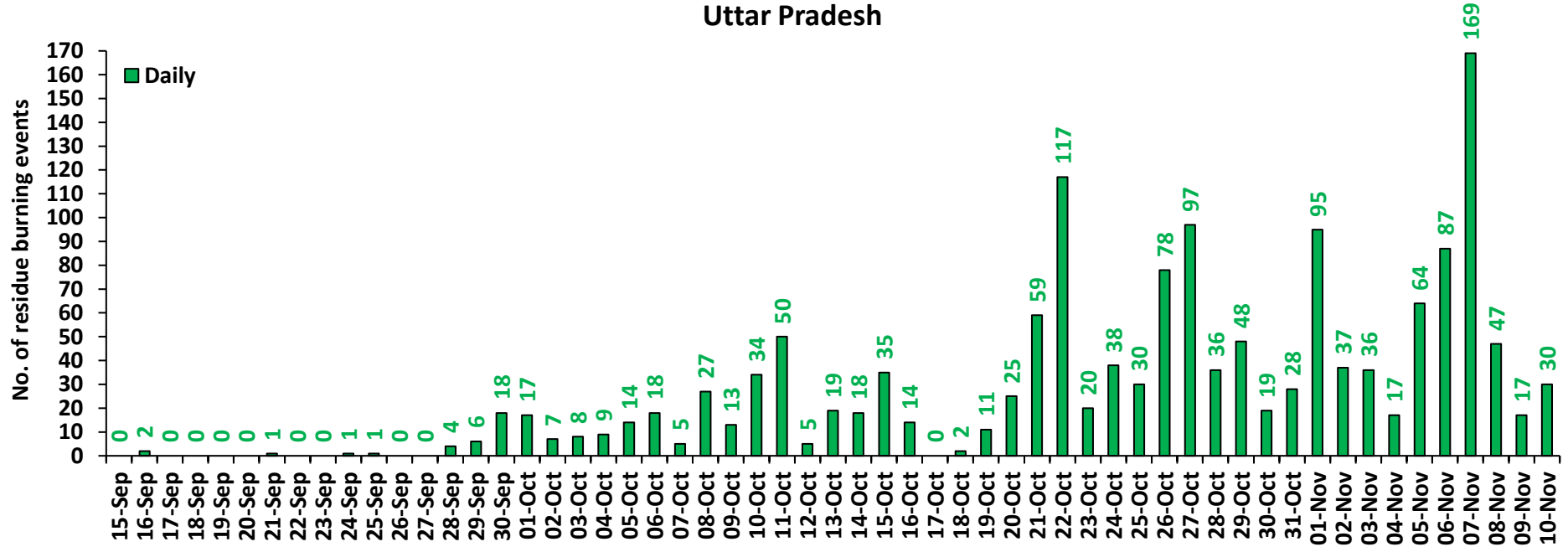
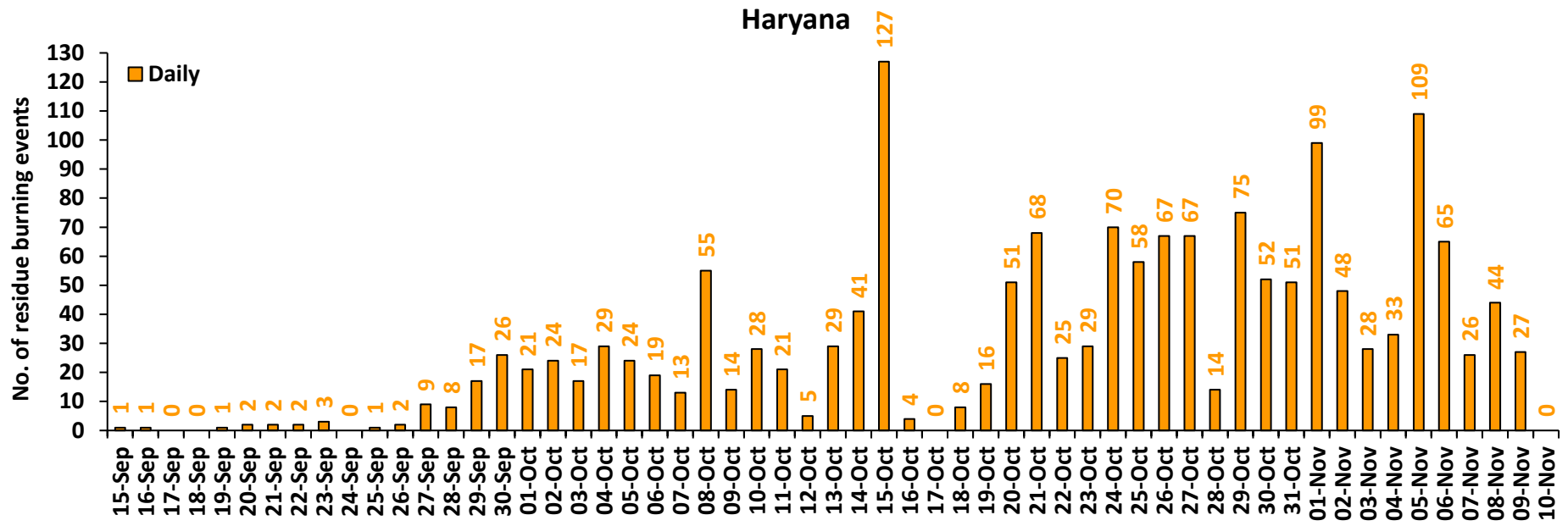
<http://creams.iari.res.in>

Highlights for 10-Nov-2023

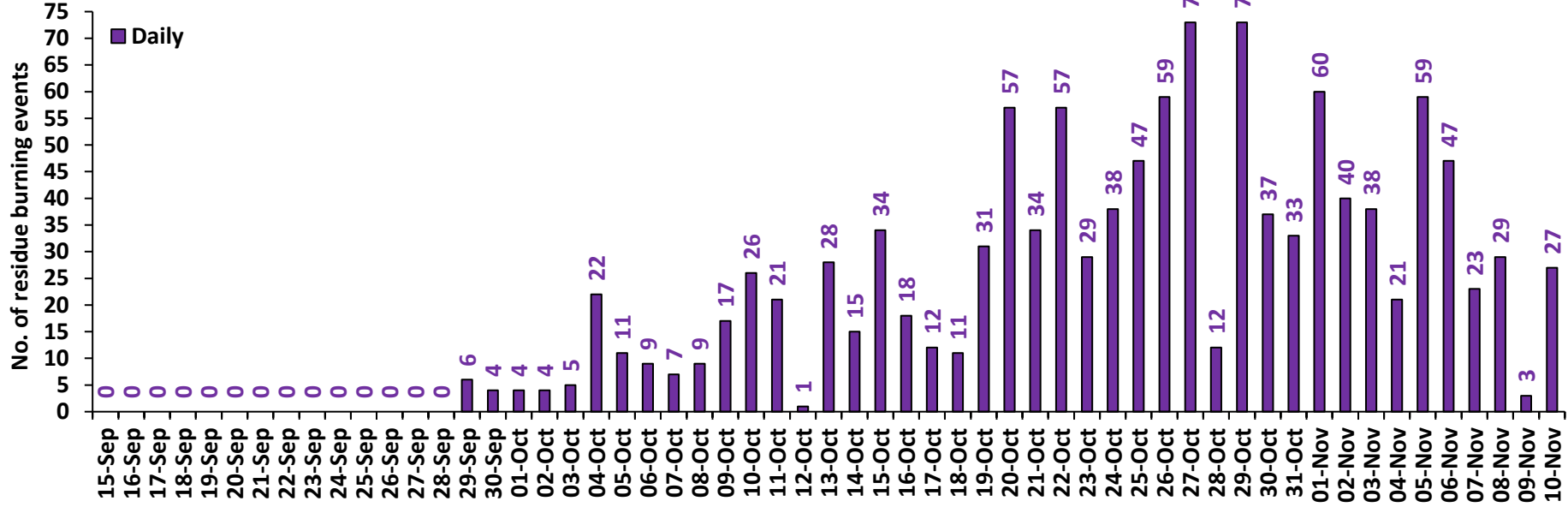
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **571** residue burning events in the six study States on 10-Nov-2023.
- The state wise events detected on 10-Nov-2023 were **06** in Punjab, **00** in Haryana, **30** in UP, **00** in Delhi, **27** in Rajasthan and **508** in MP.
- Total **35921** burning events were detected in the six states between 15-Sept-2023 and 10-Nov-2023, which are distributed as **23626**, **1676**, **1533**, **04**, **1191** and **7891** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Detection of residue burning events was hampered by the presence of clouds over Punjab, Haryana, Delhi, and western Uttar Pradesh states.

Temporal distribution of rice residue burning events for the study States in 2023

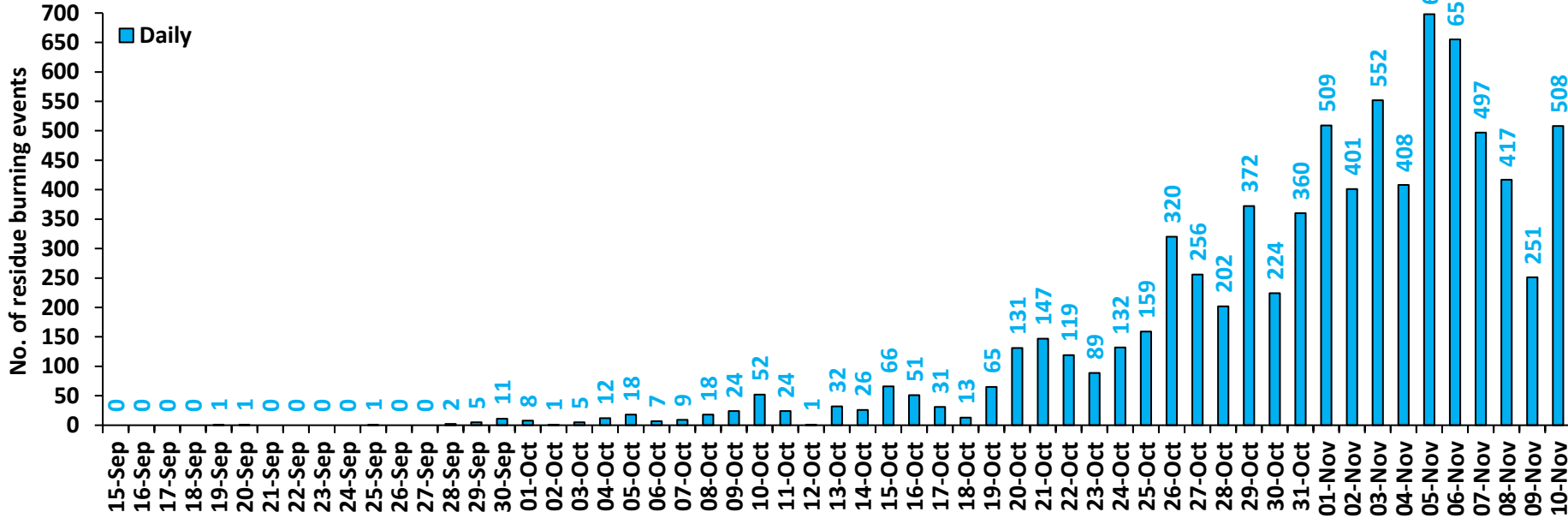




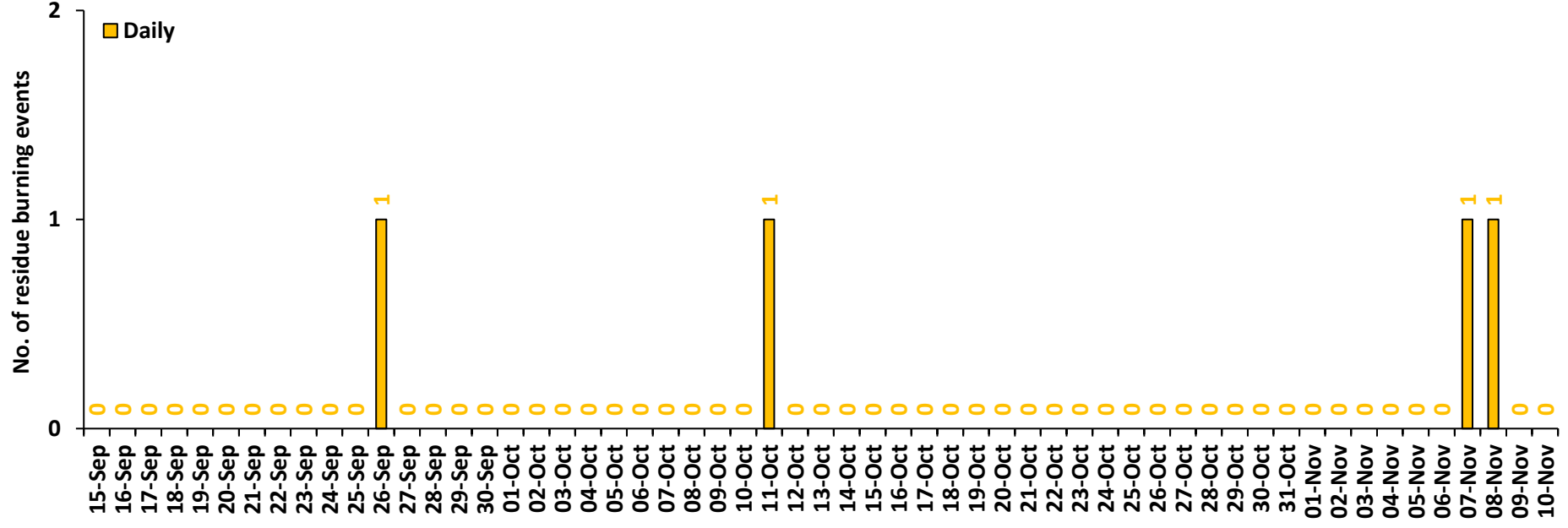
Rajasthan



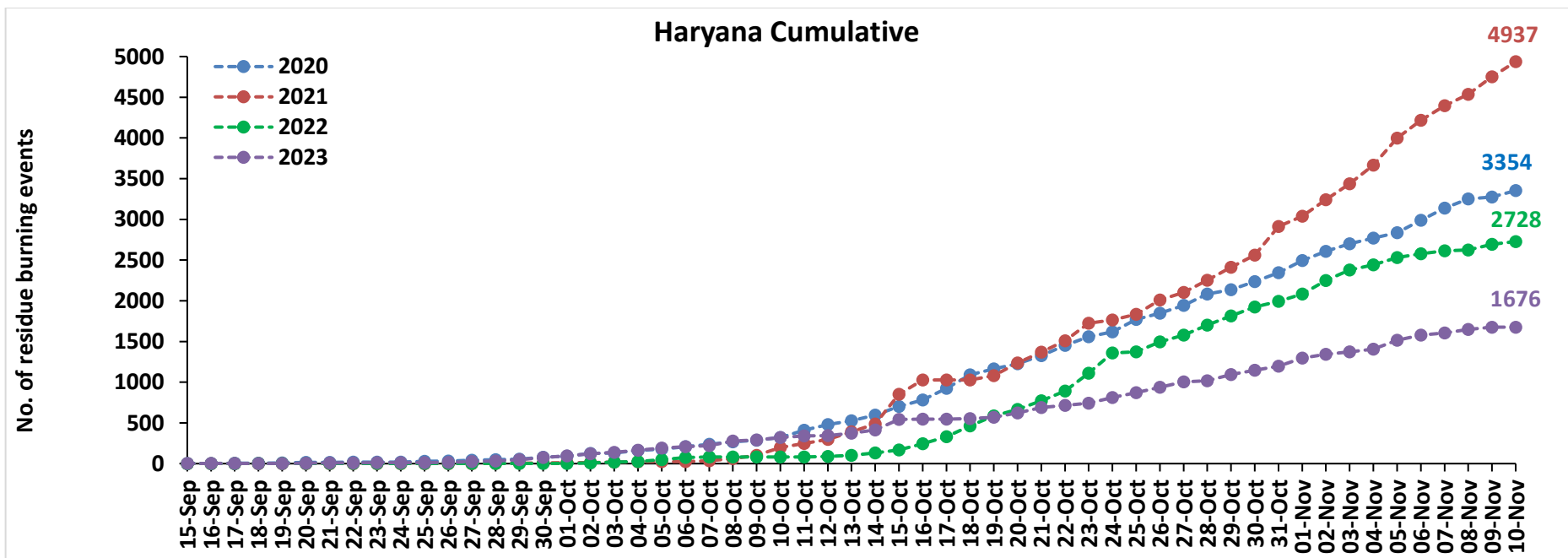
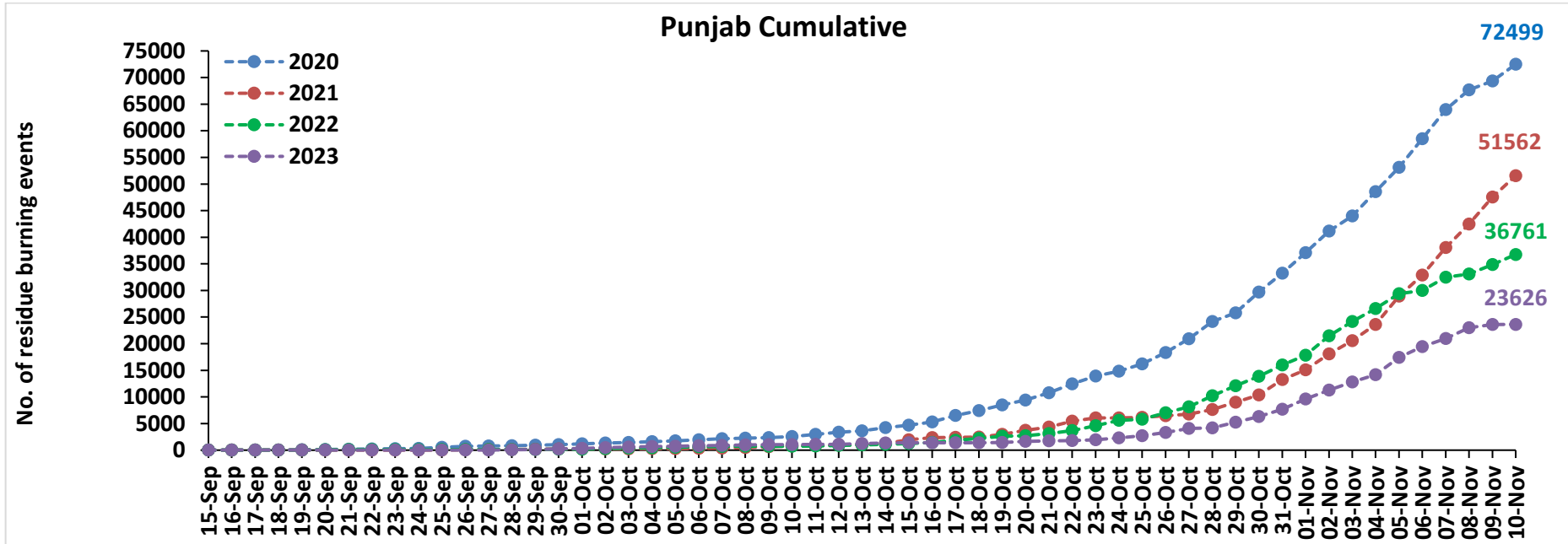
Madhya Pradesh



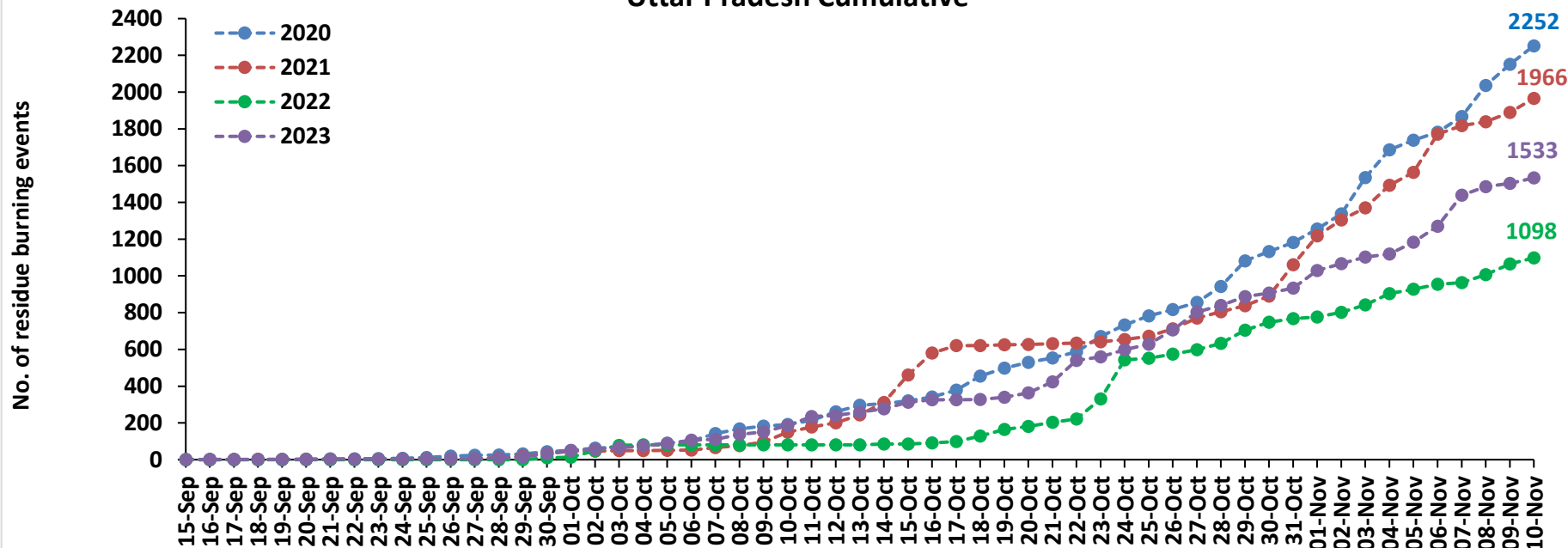
Delhi



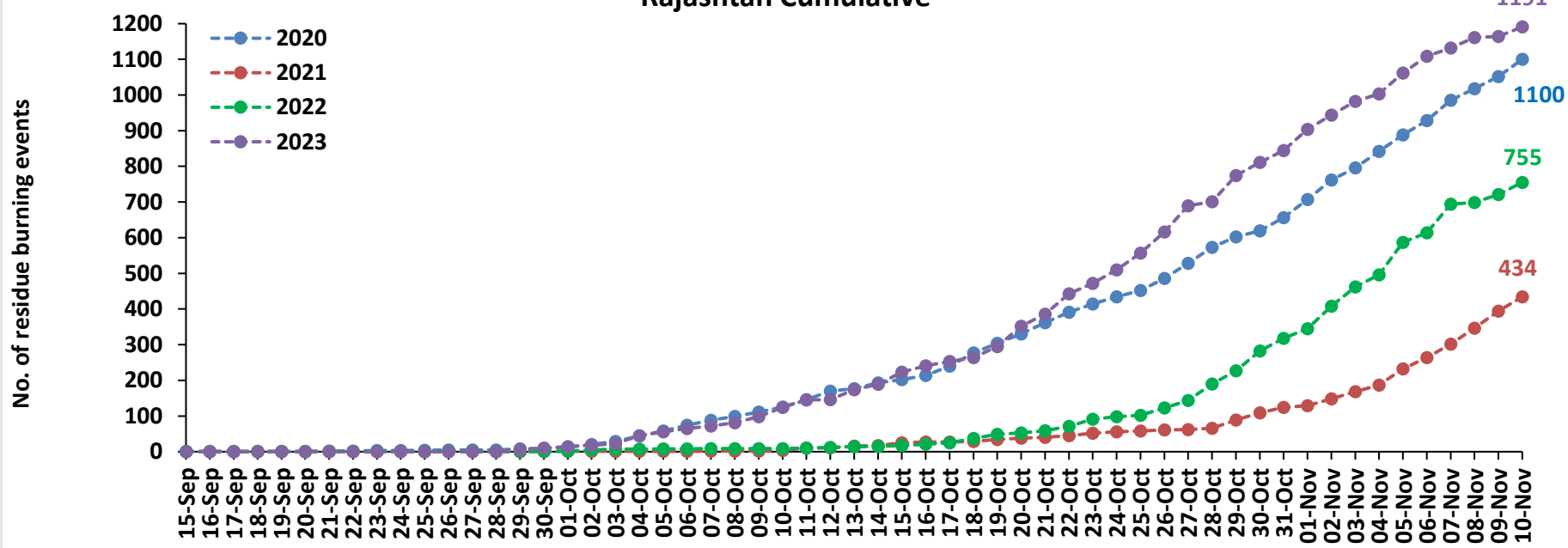
Comparison of residue burning events in current year (2023) with previous years (2020, 2021 and 2022) for the study State



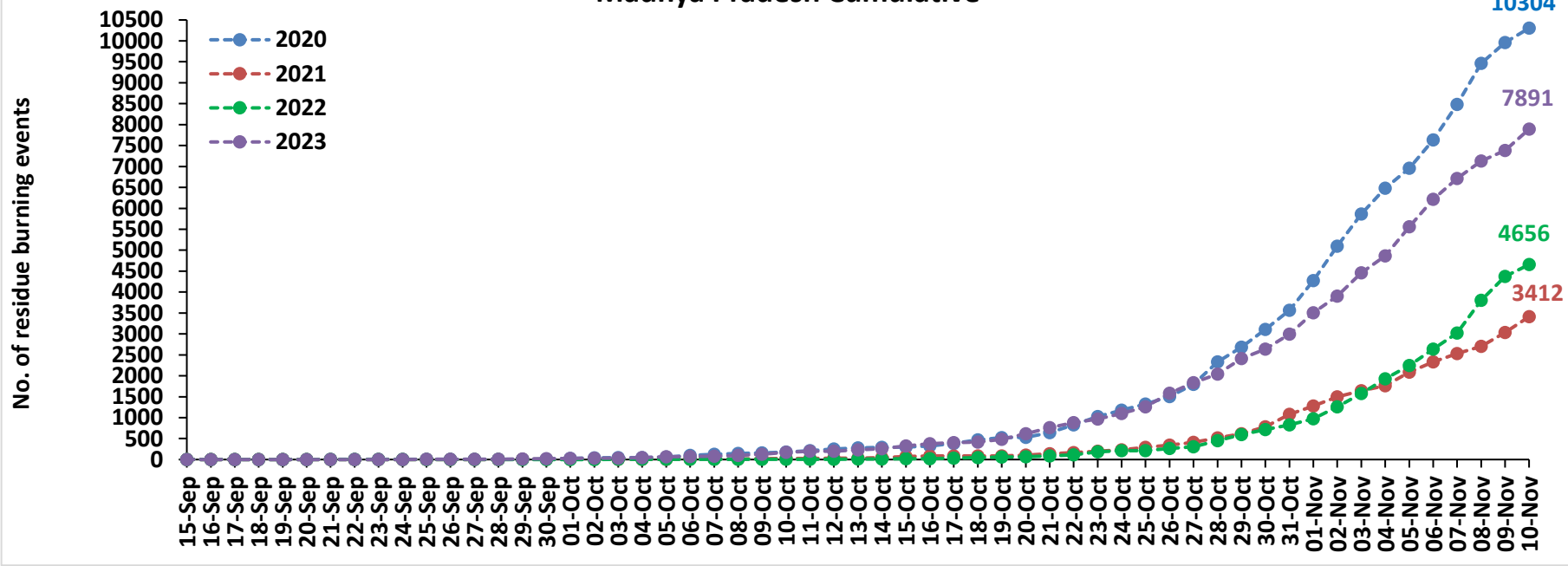
Uttar Pradesh Cumulative



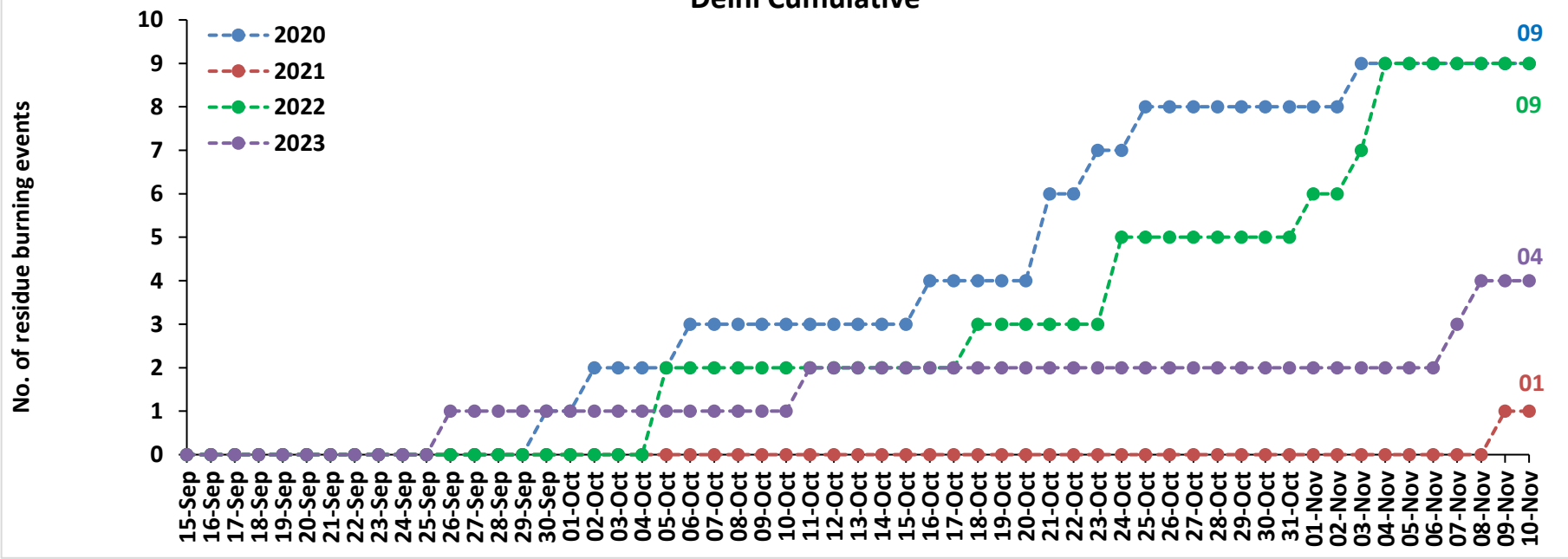
Rajasthan Cumulative



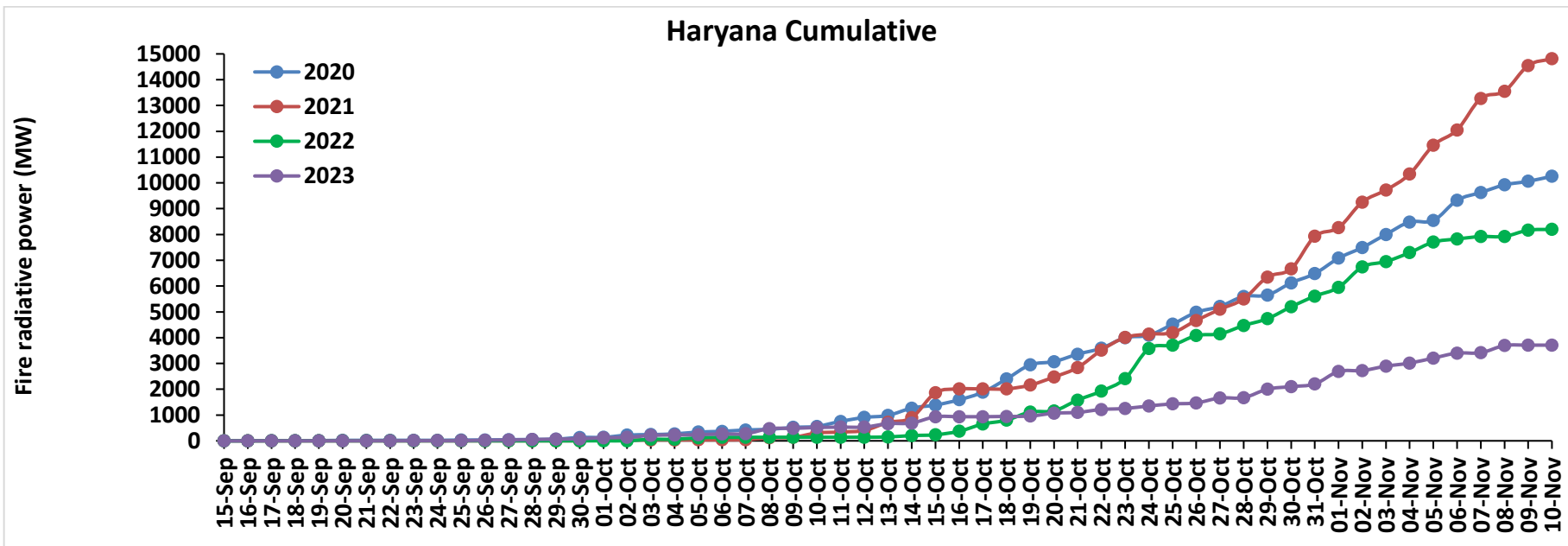
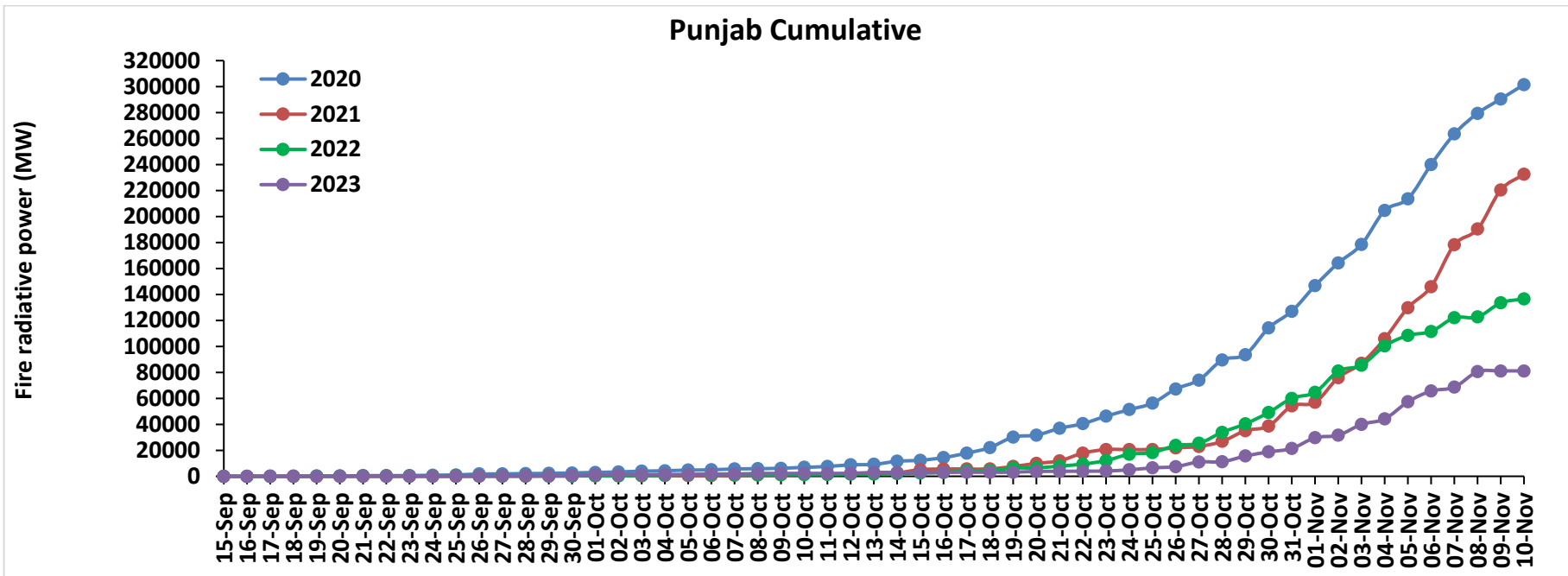
Madhya Pradesh Cumulative



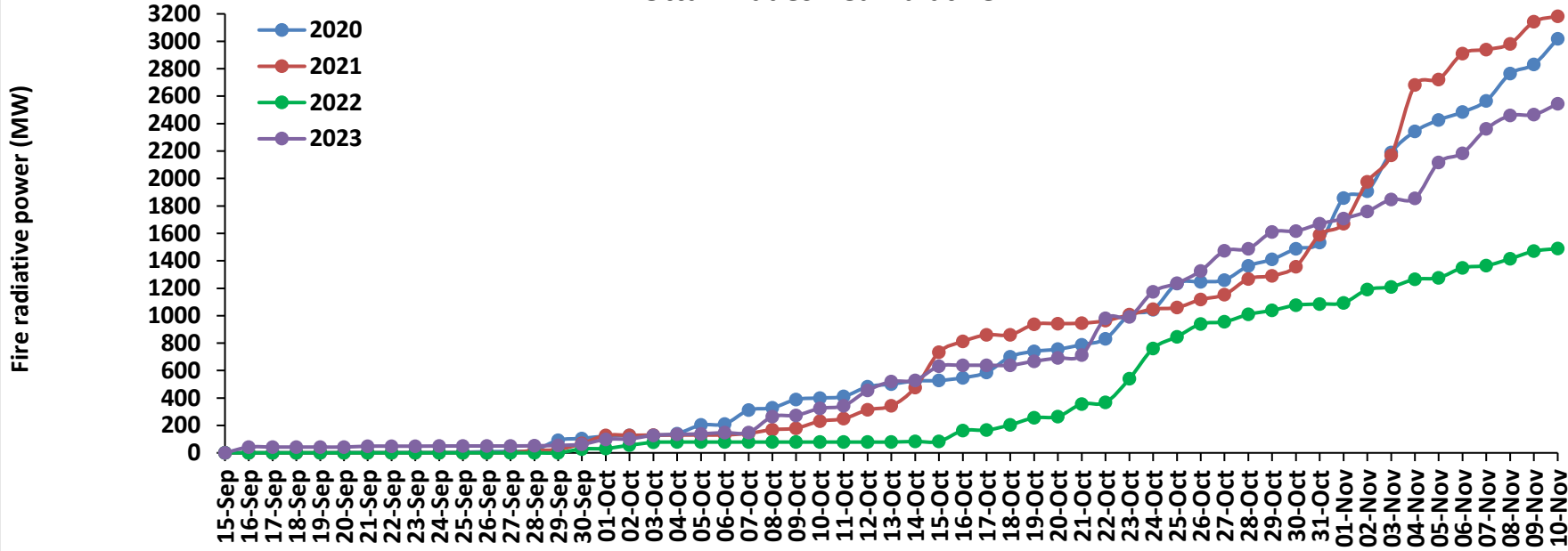
Delhi Cumulative



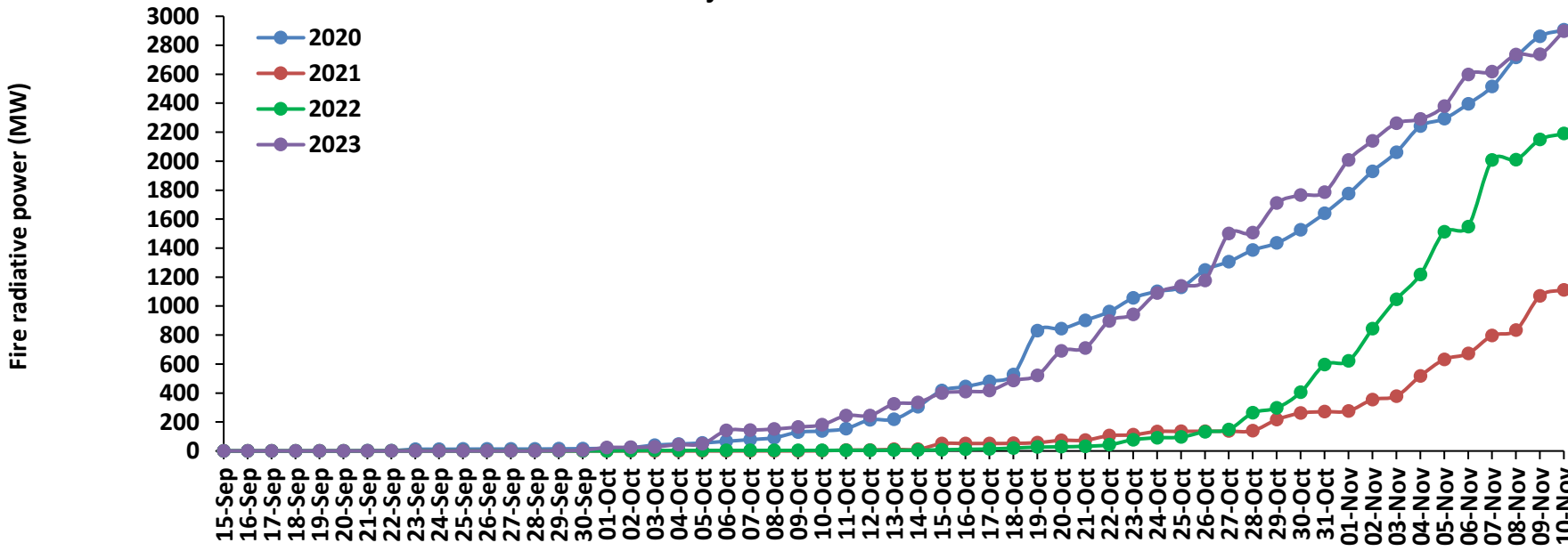
Comparison of residue burning fire power in current year (2023) with previous years (2020, 2021 and 2022) for the study States



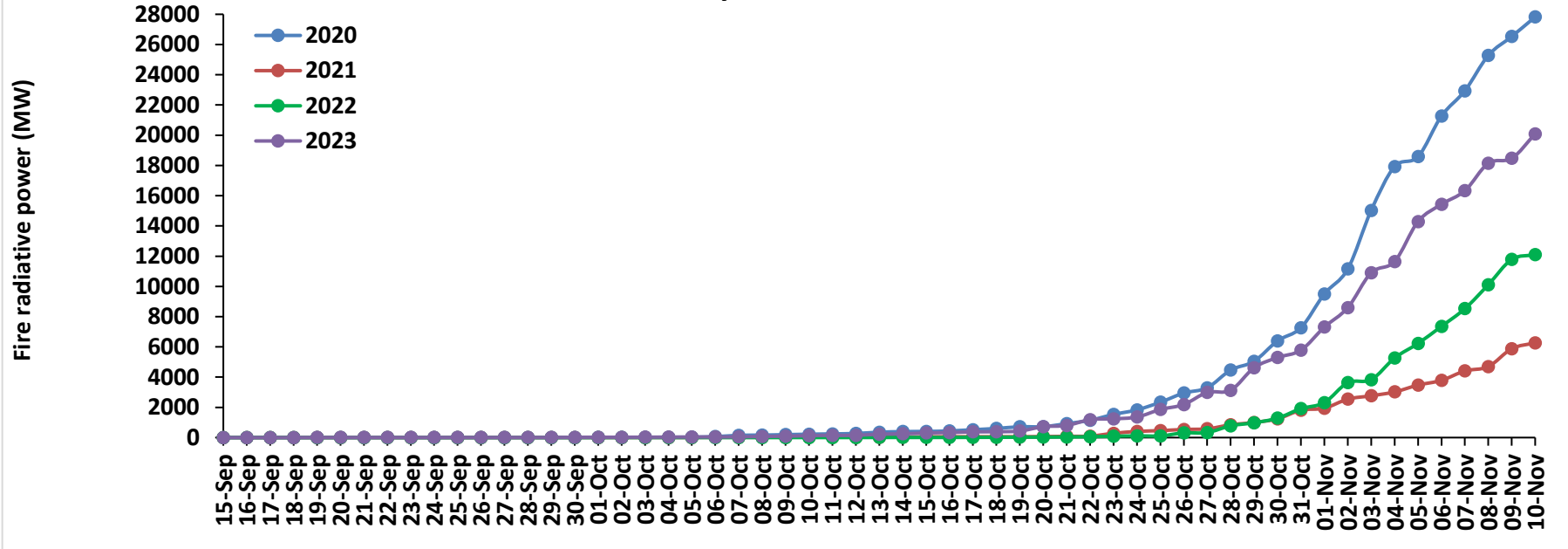
Uttar Pradesh Cumulative



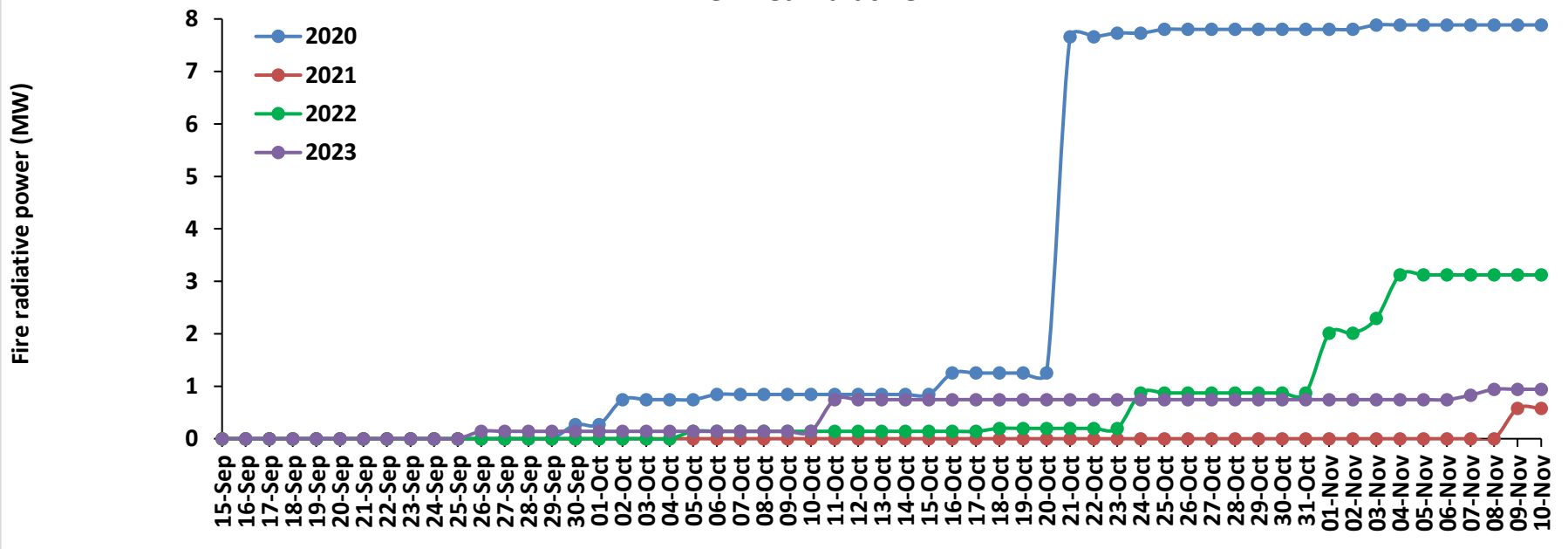
Rajasthan Cumulative



Madhya Pradesh Cumulative

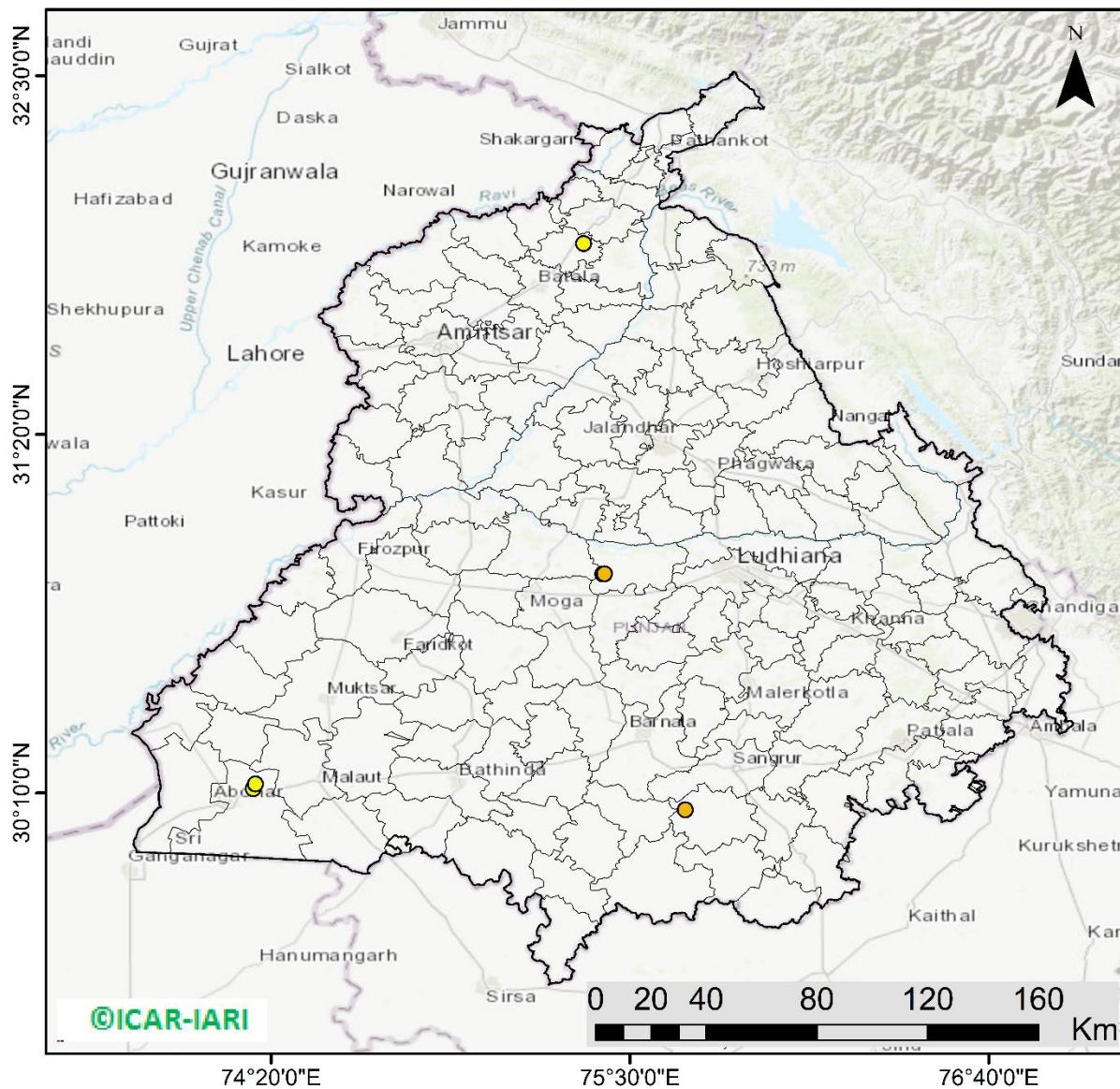


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



06 burning events detected in Punjab during (10th Nov 2023)

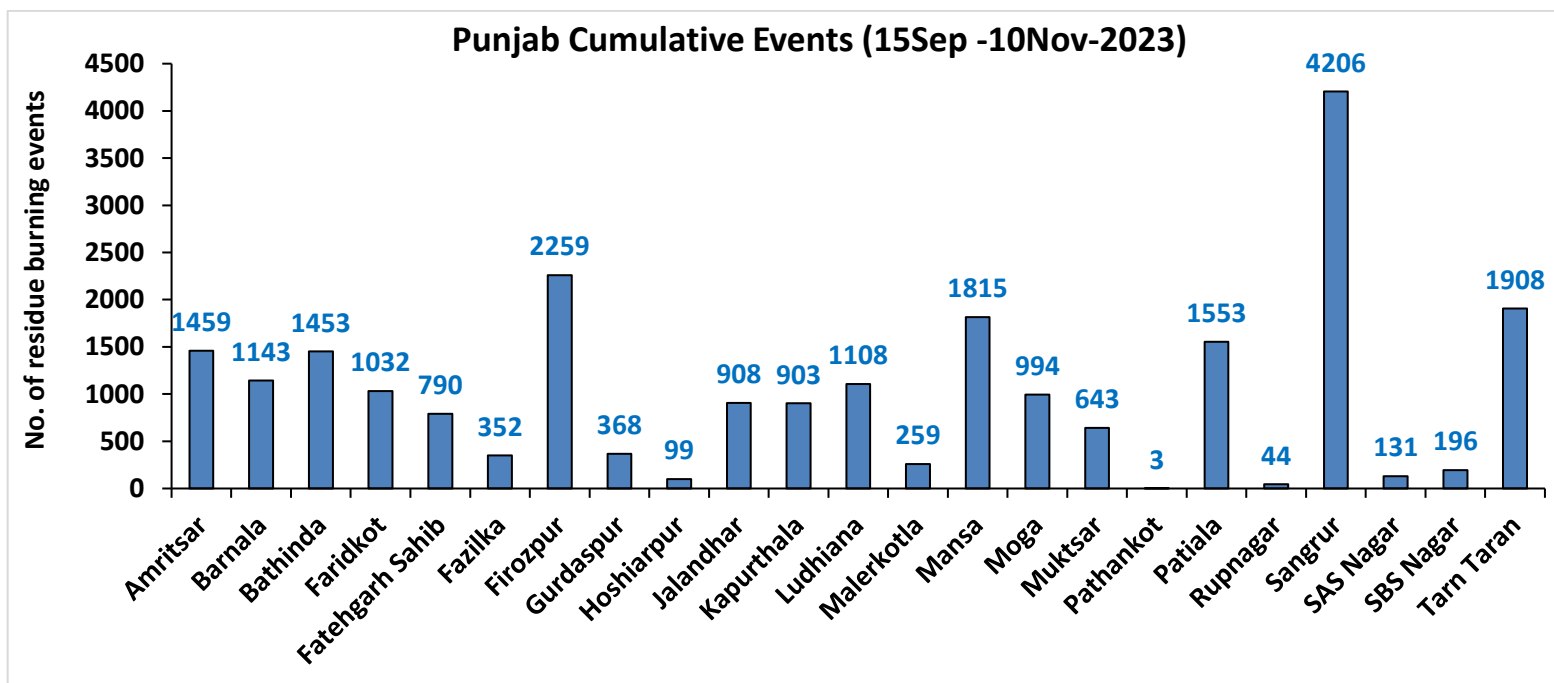
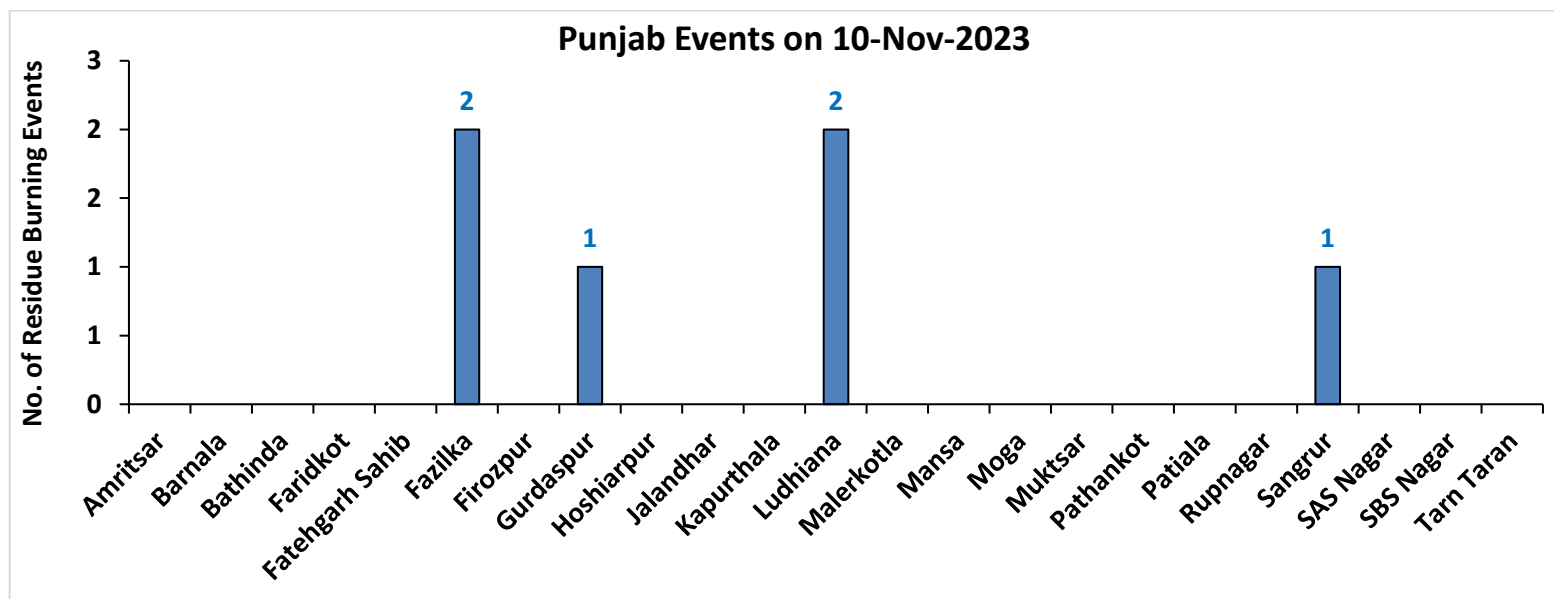
Fire Intensity (W/m²)

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



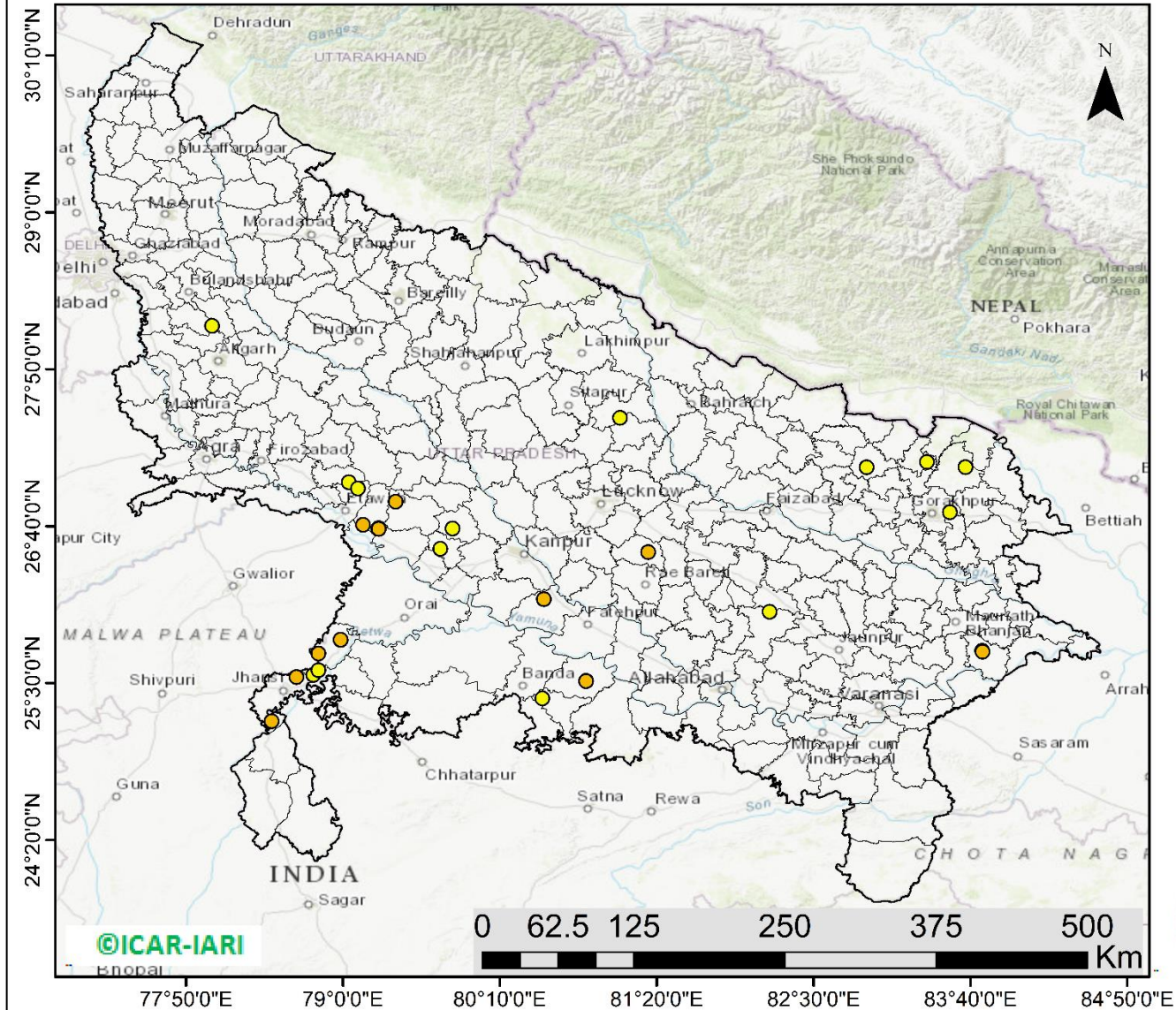
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep- 10Nov-2023)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



30 burning events detected in Uttar Pradesh on (10th Nov 2023)

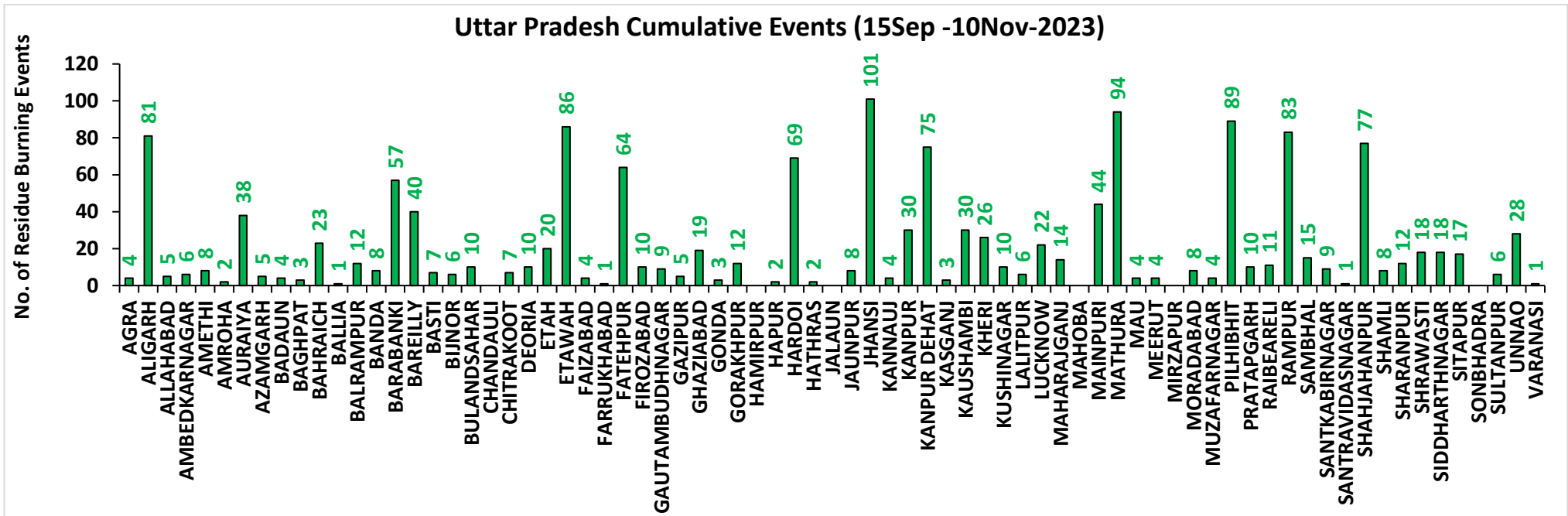
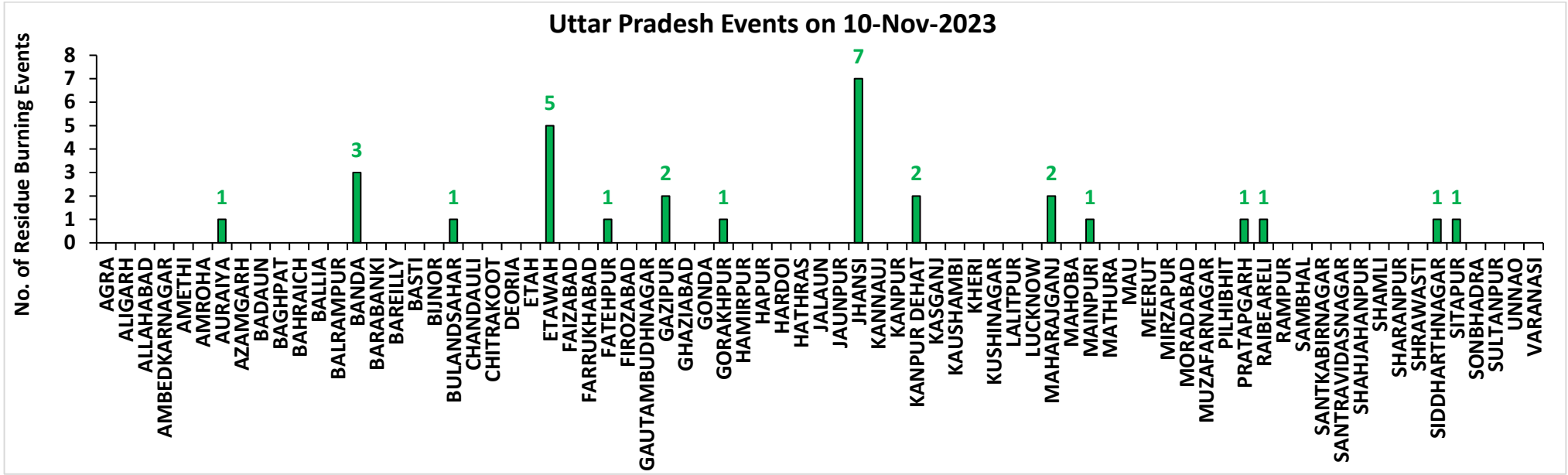
Fire Intensity (W/m²)

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



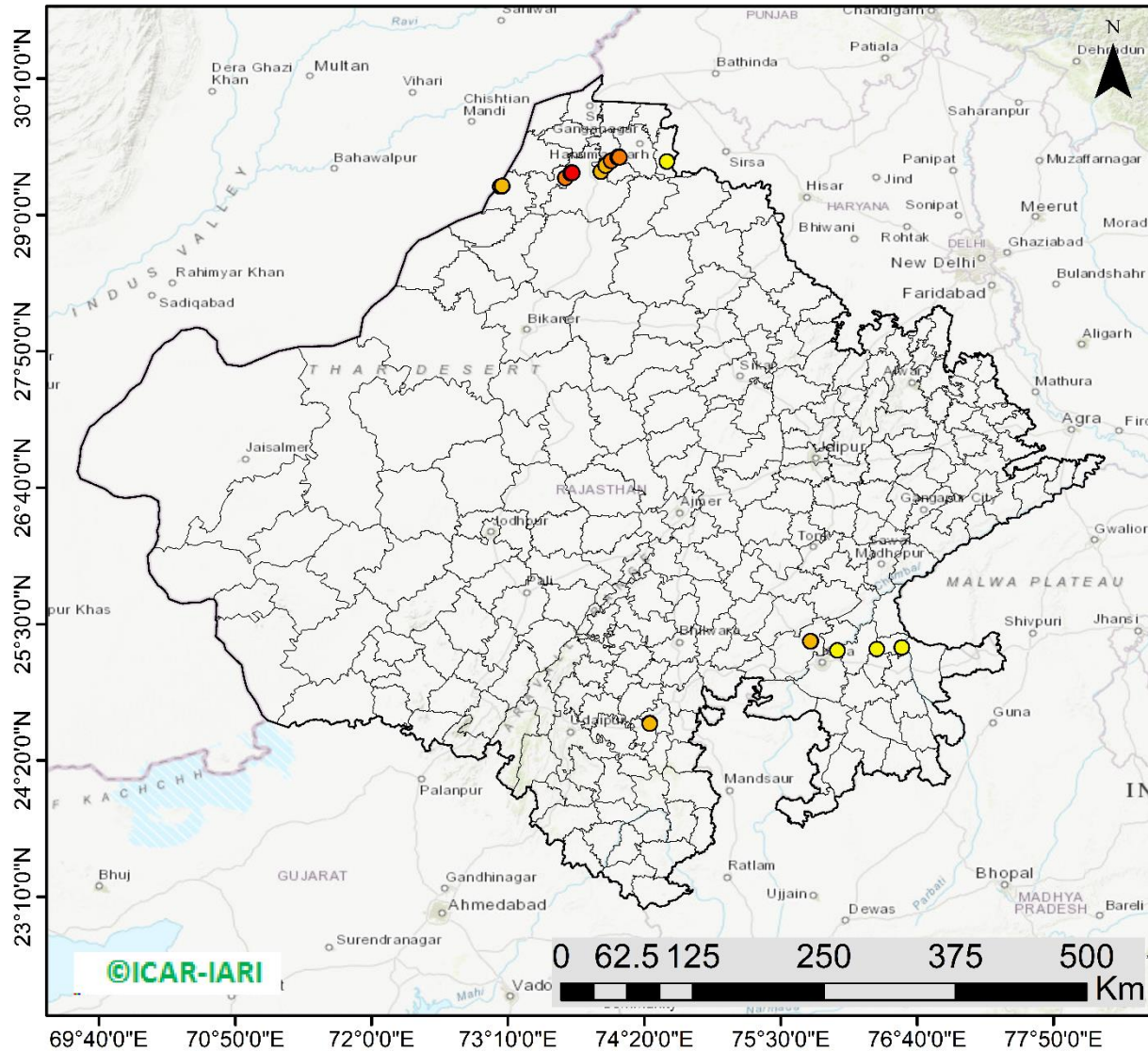
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-10Nov -2023)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



27 burning events
detected in Rajasthan on
(10th Nov 2023)

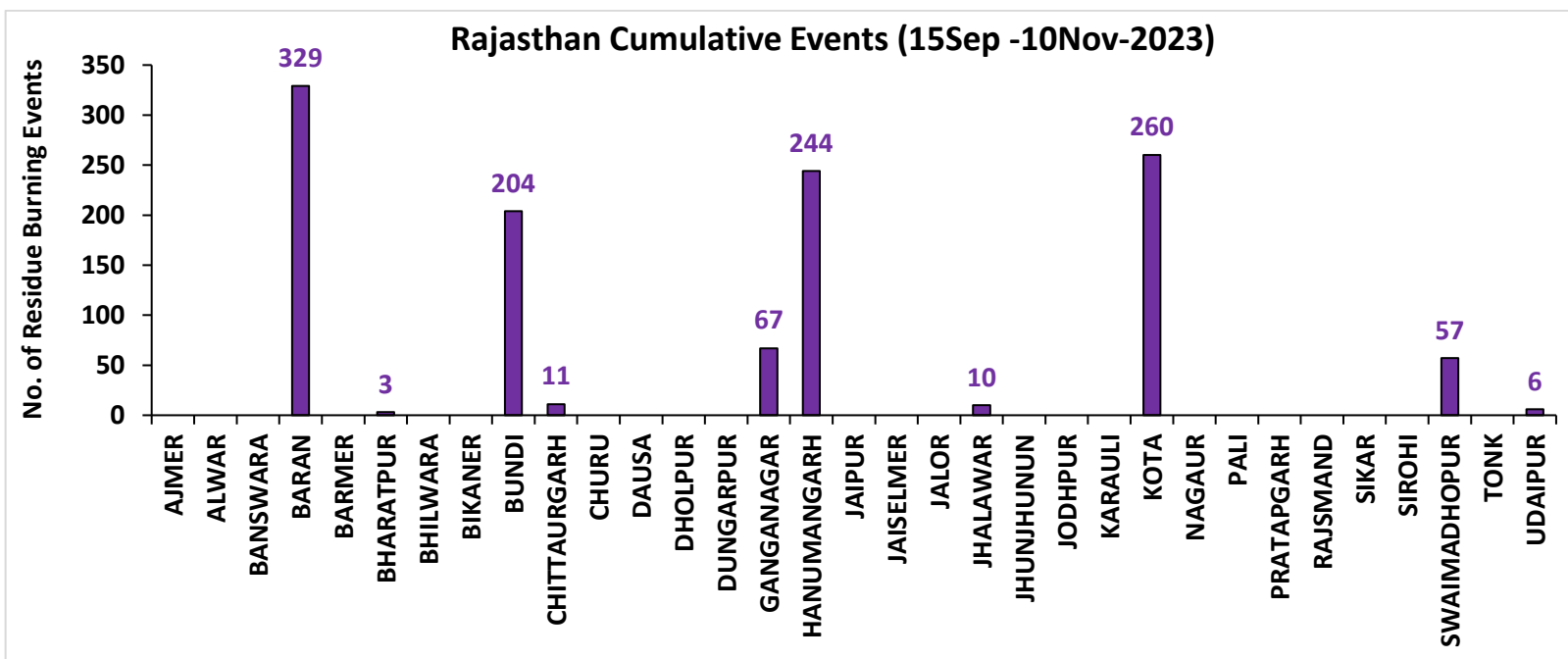
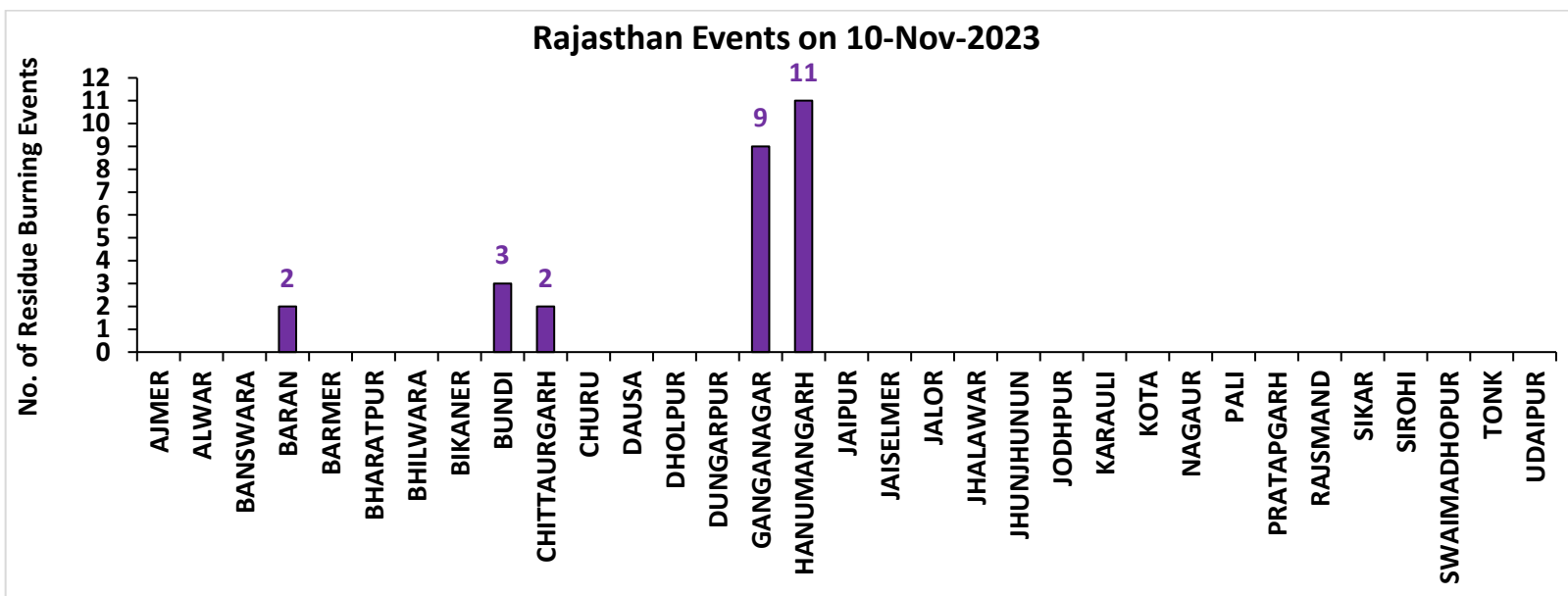
Fire Intensity (W/m²)

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



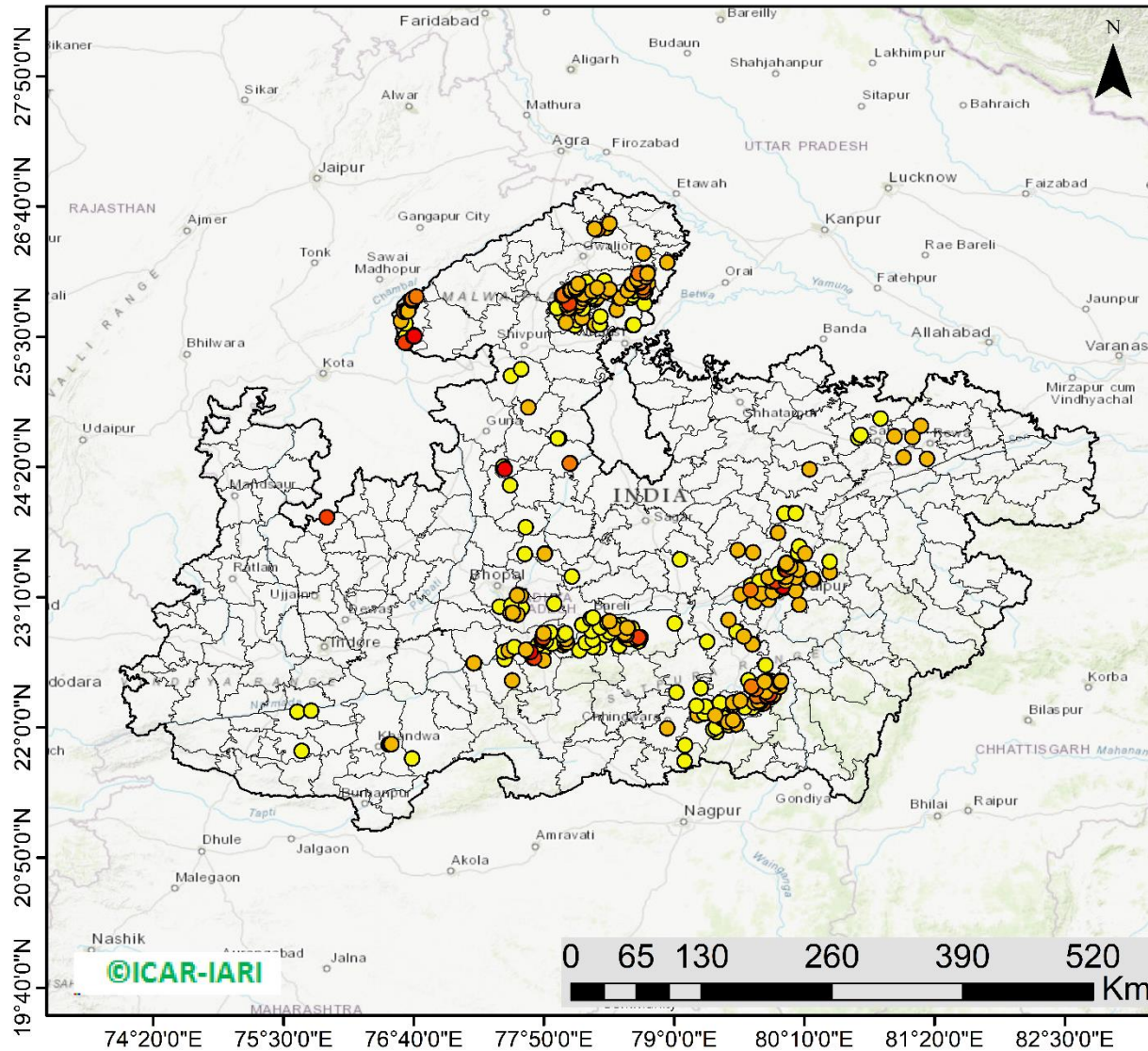
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15Sep-10Nov -2023)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



508 burning events
detected in MP on
(10th Nov 2023)

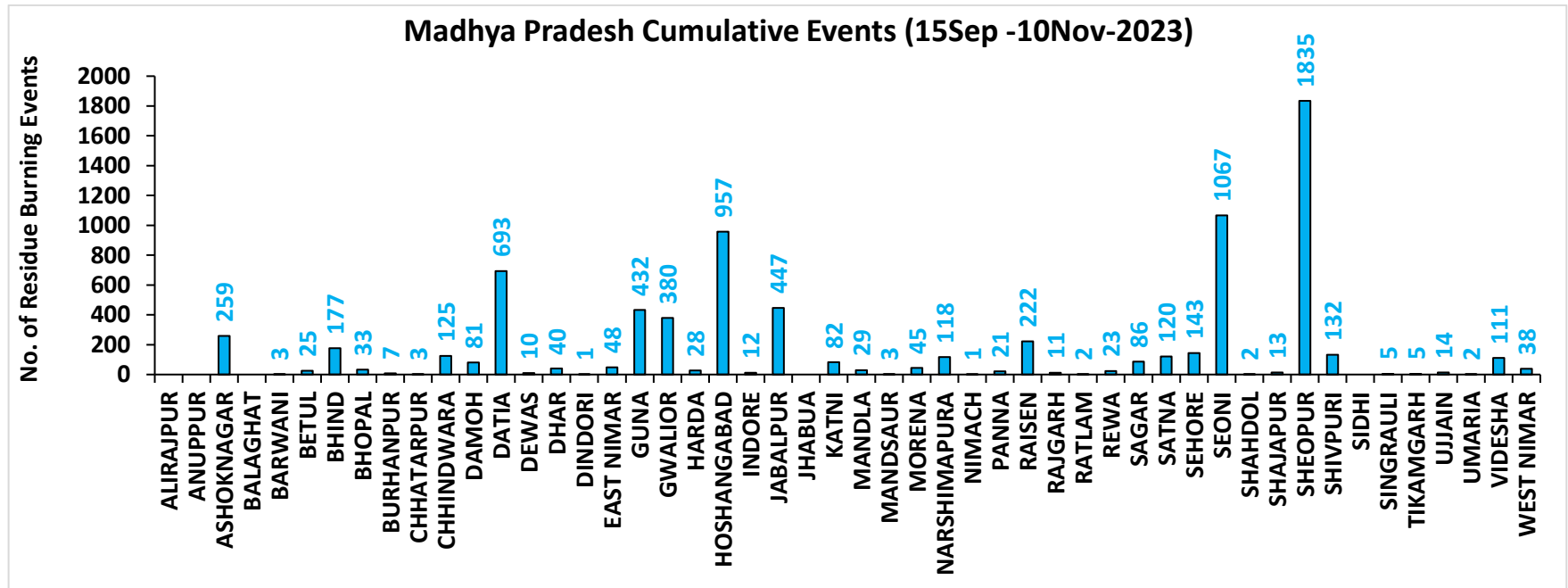
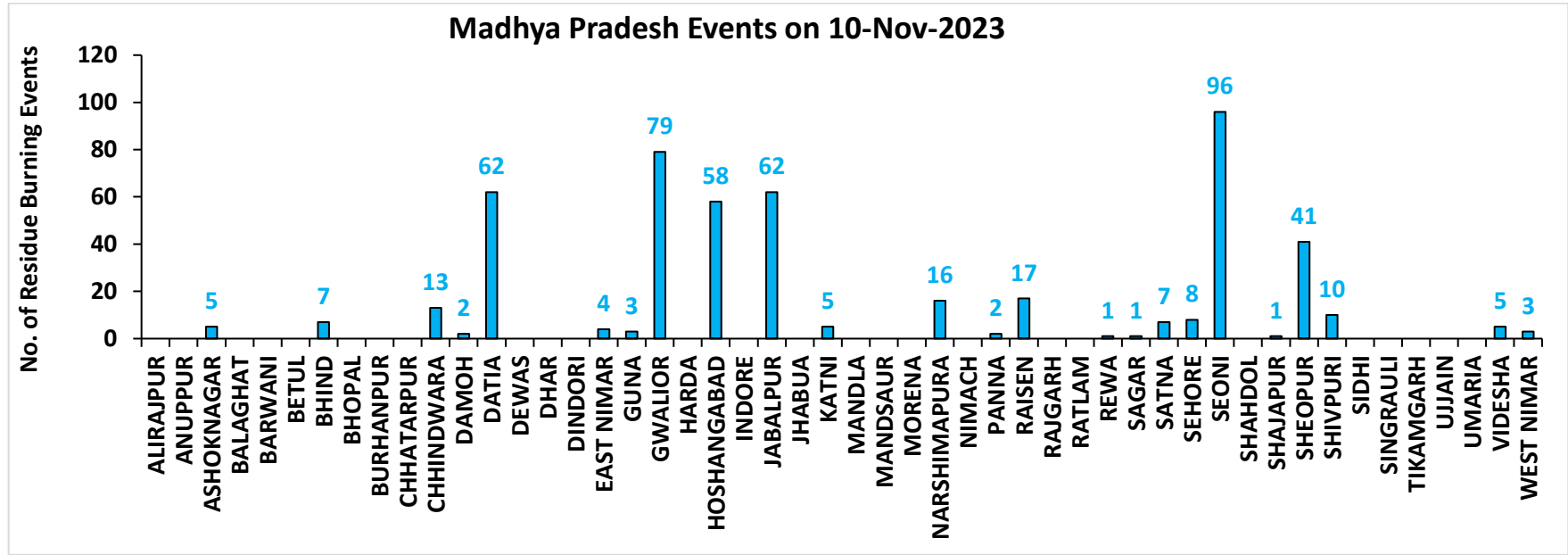
Fire Intensity (W/m²)

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



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

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-10Nov -2023)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022 and 2023
(Period: 15 September-10 November)

(a) Punjab

District	15 Sep-10 Nov			
	2020	2021	2022	2023
Amritsar	3030	1911	1466	1459
Barnala	4339	3403	2135	1143
Bathinda	4234	3097	2851	1453
Faridkot	4053	2948	1639	1032
Fatehgarh Sahib	1477	1209	1053	790
Fazilka	1086	970	1206	352
Firozpur	7791	4824	3383	2259
Gurdaspur	2113	1311	825	368
Hoshiarpur	378	296	238	99
Jalandhar	1849	1996	1172	908
Kapurthala	1859	1665	1203	903
Ludhiana	4322	4138	1734	1108
Malerkotla*	--	--	--	259
Mansa	3126	1935	1875	1815
Moga	6452	4500	2062	994
Muktsar	3655	2869	1872	643
Pathankot	13	5	0	3
Patiala	6052	3625	3174	1553
Rupnagar	196	226	223	44
Sangrur	10708	6413	5309	4206
SAS NAGAR	125	133	100	131
SBS Nagar	129	255	221	196
Tarn Taran	5512	3833	3020	1908
Total	72499	51562	36761	23626

(b) Haryana

District	15 Sep-10 Nov			
	2020	2021	2022	2023
AMBALA	343	277	206	184
BHIWANI	3	1	2	3
CHARKHI DADRI	0	0	0	0
FARIDABAD	1	3	1	4
FATEHABAD	560	981	573	351
GURGAON	0	0	0	0
HISAR	40	62	57	79
JHAJJAR	6	0	2	11
JIND	260	534	350	253
KAITHAL	784	1082	594	226
KARNAL	564	859	277	103
KURUKSHETRA	403	520	291	148
MAHENDRAGARH	0	0	0	0
MEWAT	0	0	0	0
PALWAL	45	102	44	56
PANCHKULA	0	0	0	1
PANIPAT	35	110	37	20
REWARI	0	0	0	0
ROHTAK	30	12	3	31
SIRSA	93	165	130	66
SONIPAT	51	86	28	59
YAMUNANAGAR	136	143	133	81
Total	3354	4937	2728	1676

*Malerkotla events are included in Sangrur events in 2020, 2021, 2022.

Sangrur events in 2023 do not include Malerkotla events.

(c) Uttar Pradesh

District	15 Sep-10 Nov													
	2020	2021	2022	2023	GAUTAMBUDHNAGAR	9	16	10	9	MUZAFARNAGAR	17	12	1	4
AGRA	5	0	0	4	GAZIPUR	2	2	3	5	PILHIBHIT	11	190	115	89
ALIGARH	106	38	39	81	GHAZIABAD	19	5	4	19	PRATAPGARH	22	7	7	10
ALLAHABAD	14	4	4	5	GONDA	11	1	0	3	RAIBEARELI	10	10	5	11
AMBEDKARNAGAR	7	5	1	6	GORAKHPUR	14	8	7	12	RAMPUR	126	143	80	83
AMETHI	3	3	6	8	HAMIRPUR	3	0	0	0	SAMBHAL	10	11	11	15
AMROHA	4	5	0	2	HAPUR	12	4	2	2	SANTKABIRNAGAR	14	5	4	9
AURAIYA	58	19	11	38	HARDOI	76	59	26	69	SANTRAVIDASNAGAR	1	0	0	1
AZAMGARH	10	0	2	5	HATHRAS	0	0	1	2	SHAHJAHANPUR	94	359	266	77
BADAUN	11	13	0	4	JALAUN	18	0	0	0	SHAMLI	30	23	6	8
BAGHPAT	7	6	3	3	JAUNPUR	14	4	4	8	SHARANPUR	78	49	12	12
BAHRAICH	94	36	11	23	JHANSI	107	29	38	101	SHRAWASTI	36	21	6	18
BALLIA	25	1	4	1	KANNAUJ	28	4	1	4	SIDDHARTHANAGAR	35	33	4	18
BALRAMPUR	50	6	3	12	KANPUR	23	27	14	30	SITAPUR	45	36	10	17
BANDA	8	3	1	8	KANPUR DEHAT	53	14	4	75	SONBHADRA	0	0	0	0
BARABANKI	33	49	41	57	KASGANJ	2	2	0	3	SULTANPUR	2	6	2	6
BAREILLY	48	43	24	40	KAUSHAMBI	32	32	15	30	UNNAO	29	15	6	28
BASTI	37	14	4	7	KHERI	101	123	103	26	VARANASI	1	1	0	1
BIJNOR	18	18	2	6	KUSHINAGAR	23	2	3	10	Total	2252	1966	1098	1533
BULANDSAHAR	42	2	12	10	LALITPUR	1	6	3	6					
CHANDAULI	0	0	0	0	LUCKNOW	26	24	6	22					
CHITRAKOOT	9	6	2	7	MAHARAJGANJ	12	24	15	14					
DEORIA	38	2	6	10	MAHOBA	27	0	0	0					
ETAH	16	6	4	20	MAINPURI	49	28	14	44					
ETAWAH	46	22	11	86	MATHURA	144	231	26	94					
FAIZABAD	5	4	2	4	MAU	6	2	1	4					
FARRUKHABAD	3	2	1	1	MEERUT	37	11	6	4					
FATEHPUR	97	54	50	64	MIRZAPUR	6	5	2	0					
FIROZABAD	26	14	7	10	MORADABAD	16	7	4	8					

(d) Delhi

District	15 Sep-10 Nov			
	2020	2021	2022	2023
CENTRAL	0	0	0	0
EAST	0	0	0	0
NEW DELHI	0	0	0	0
NORTH	3	1	8	4
NORTH EAST	0	0	0	0
NORTH WEST DELHI	3	0	0	0
SHAHADRA	0	0	0	0
SOUTH	1	0	0	0
SOUTH EAST	0	0	0	0
SOUTH WEST DELHI	0	0	0	0
WEST DELHI	2	0	1	0
Total	9	1	9	4

(e) Rajasthan

District	15 Sep-10 Nov			
	2020	2021	2022	2023
AJMER	3	0	0	0
ALWAR	7	0	0	0
BANSWARA	0	0	0	0
BARAN	160	5	66	329
BARMER	3	0	0	0
BHARATPUR	2	3	1	3
BHILWARA	8	0	0	0
BIKANER	1	0	0	0
BUNDI	123	64	177	204
CHITTAURGARH	1	7	6	11
CHURU	0	0	0	0
DAUSA	1	0	0	0
DHOLPUR	0	0	0	0
DUNGARPUR	0	0	1	0
GANGANAGAR	85	42	61	67
HANUMANGARH	491	248	260	244
JAIPUR	4	0	0	0
JAISELMER	4	0	0	0
JALOR	1	0	0	0
JHALAWAR	3	1	5	10
JHUNJHUNUN	1	0	0	0
JODHPUR	4	0	0	0
KARAULI	1	0	0	0
KOTA	108	41	127	260
NAGAU	2	0	0	0
PALI	6	0	0	0
PRATAPGARH	8	0	0	0
RAJSMAND	1	0	0	0
SIKAR	0	0	0	0
SIROHI	1	0	0	0
SWAIMADHOPUR	65	23	51	57
TONK	5	0	0	0
UDAIPUR	1	0	0	6
Total	1100	434	755	1191

(f) Madhya Pradesh

District	15 Sep-10 Nov								
	2020	2021	2022	2023					
					PANNA	49	13	3	21
ALIRAJPUR	0	0	0	0	RAISEN	480	111	118	222
ANUPPUR	0	0	0	0	RAJGARH	10	2	3	11
ASHOKNAGAR	152	63	128	259	RATLAM	2	4	1	2
BALAGHAT	3	1	0	0	REWA	97	27	13	23
BARWANI	2	0	0	3	SAGAR	28	25	50	86
BETUL	30	12	5	25	SATNA	475	140	53	120
BHIND	215	48	114	177	SEHORE	129	100	121	143
BHOPAL	46	25	18	33	SEONI	1180	846	679	1067
BURHANPUR	10	1	0	7	SHAHDOL	2	0	0	2
CHHATARPUR	7	0	0	3	SHAJAPUR	11	0	0	13
CHHINDWARA	104	46	70	125	SHEOPUR	1546	322	1254	1835
DAMOH	69	43	41	81	SHIVPURI	229	21	50	132
DATIA	1057	173	327	693	SIDHI	2	2	1	0
DEWAS	8	0	0	10	SINGRAULI	0	1	1	5
DHAR	39	0	0	40	TIKAMGARH	4	0	1	5
DINDORI	0	0	0	1	UJJAIN	8	0	0	14
EAST NIMAR	22	6	10	48	UMARIA	5	2	0	2
GUNA	65	6	94	432	VIDESHA	124	47	52	111
GWALIOR	1414	119	325	380	WEST NIMAR	51	9	7	38
HARDA	14	19	9	28	Total	10304	3412	4656	7891
HOSHANGABAD	1005	817	711	957					
INDORE	4	0	0	12					
JABALPUR	986	149	173	447					
JHABUA	0	0	0	0					
KATNI	242	26	46	82					
MANDLA	103	78	36	29					
MANDSAUR	12	0	0	3					
MORENA	62	36	22	45					
NARSHIMAPURA	199	72	120	118					
NIMACH	2	0	0	1					

State-wise and date-wise number of paddy residue burning events detected in 2020, 2021, 2022 and 2023
(Period: 15 September-10 November)

Number of Paddy Residue Burning Events Detected

Date	Punjab				Haryana				Uttar Pradesh			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
15-Sep	5	0	14	0	2	0	0	1	1	0	0	0
16-Sep	0	2	0	6	1	0	0	1	0	0	0	2
17-Sep	5	0	1	0	3	0	0	0	0	0	0	0
18-Sep	17	9	7	0	0	0	1	0	0	1	0	0
19-Sep	30	5	18	0	2	0	0	1	0	1	0	0
20-Sep	67	8	10	0	6	0	0	2	2	0	0	0
21-Sep	54	0	56	1	2	0	0	2	1	0	0	1
22-Sep	34	0	30	0	1	0	0	2	1	0	0	0
23-Sep	49	0	3	1	0	0	0	3	1	0	0	0
24-Sep	78	5	0	0	0	0	0	0	1	1	0	1
25-Sep	184	11	0	0	11	0	0	1	5	0	0	1
26-Sep	190	19	0	3	5	0	0	2	8	0	0	0
27-Sep	78	37	0	21	8	0	0	9	4	1	0	0
28-Sep	55	28	0	33	6	1	0	8	1	6	0	4
29-Sep	63	64	0	68	9	4	0	17	6	10	0	6
30-Sep	116	27	8	81	22	2	0	26	13	13	10	18
01-Oct	165	13	45	123	15	4	1	21	7	13	3	17
02-Oct	141	0	83	119	30	2	7	24	12	0	36	7
03-Oct	110	9	75	105	8	6	8	17	4	3	29	8
04-Oct	162	23	65	95	29	2	7	29	8	0	2	9
05-Oct	161	18	130	98	17	3	24	24	14	2	0	14
06-Oct	171	42	85	91	30	0	26	19	12	1	0	18
07-Oct	197	72	62	32	32	11	6	13	41	13	0	5
08-Oct	95	108	19	92	29	27	0	55	25	11	0	27
09-Oct	121	114	3	58	20	39	1	14	15	20	0	13
10-Oct	232	150	4	10	33	95	2	28	9	54	0	34
11-Oct	377	64	45	26	90	51	0	21	23	28	0	50

12-Oct	388	97	104	13	69	51	4	5	46	23	0	5
13-Oct	266	132	120	154	47	91	15	29	36	42	0	19
14-Oct	605	229	82	89	69	98	30	41	9	68	5	18
15-Oct	449	660	169	69	106	363	36	127	15	149	0	35
16-Oct	654	429	206	0	80	176	76	4	21	121	6	14
17-Oct	1172	14	403	1	143	0	86	0	38	39	7	0
18-Oct	938	57	342	18	166	1	134	8	76	0	30	2
19-Oct	1080	496	436	37	72	55	122	16	43	5	36	11
20-Oct	890	788	96	174	62	155	78	51	31	1	17	25
21-Oct	1392	597	393	146	101	131	107	68	25	5	23	59
22-Oct	1665	1111	582	30	128	140	122	25	32	3	18	117
23-Oct	1438	620	902	152	106	218	217	29	84	8	109	20
24-Oct	911	0	1019	360	57	38	250	70	63	11	212	38
25-Oct	1416	76	181	398	155	71	12	58	50	18	9	30
26-Oct	2126	329	1238	589	77	175	123	67	33	41	23	78
27-Oct	2563	279	1111	766	96	93	83	67	40	58	23	97
28-Oct	3232	906	2067	127	139	149	123	14	87	35	34	36
29-Oct	1624	1353	1898	1068	52	161	112	75	139	32	73	48
30-Oct	3946	1373	1761	1030	100	148	112	52	50	53	43	19
31-Oct	3531	2895	2131	1389	108	353	70	51	49	170	20	28
01-Nov	3835	1796	1842	1921	151	124	88	99	74	157	9	95
02-Nov	4098	3001	3634	1668	111	203	166	48	82	87	25	37
03-Nov	2818	2512	2666	1551	93	197	128	28	197	66	40	36
04-Nov	4584	3032	2437	1360	72	228	63	33	152	123	61	17
05-Nov	4529	5327	2817	3230	66	331	90	109	52	70	24	64
06-Nov	5382	3942	599	2060	151	219	46	65	43	208	28	87
07-Nov	5491	5199	2487	1515	150	182	37	26	86	46	8	169
08-Nov	3674	4397	604	2003	115	138	11	44	169	21	44	47
09-Nov	1718	5079	1778	639	21	217	69	27	115	51	58	17
10-Nov	3127	4008	1893	6	80	184	35	0	101	77	33	30
Total	72499	51562	36761	23626	3354	4937	2728	1676	2252	1966	1098	1533

Number of Paddy Residue Burning Events Detected

Date	Delhi				Rajasthan				Madhya Pradesh			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
15-Sep	0	0	0	0	1	0	0	0	2	0	0	0
16-Sep	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	0	0	0	0	0	0	0	0	0	0	0	0
18-Sep	0	0	0	0	0	0	0	0	0	0	0	0
19-Sep	0	0	0	0	0	0	0	0	0	0	0	1
20-Sep	0	0	0	0	0	0	0	0	0	0	0	1
21-Sep	0	0	0	0	1	0	1	0	2	0	0	0
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0
23-Sep	0	0	0	0	1	0	0	0	0	0	0	0
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	1	0	0	0	0	0	0	1
26-Sep	0	0	0	1	1	0	0	0	2	0	0	0
27-Sep	0	0	0	0	0	0	0	0	1	0	0	0
28-Sep	0	0	0	0	0	0	0	0	1	1	0	2
29-Sep	0	0	0	0	3	0	0	6	0	4	0	5
30-Sep	1	0	0	0	1	0	0	4	5	0	0	11
01-Oct	0	0	0	0	4	1	1	4	13	0	1	8
02-Oct	1	0	0	0	7	0	3	4	12	0	1	1
03-Oct	0	0	0	0	9	0	2	5	5	1	5	5
04-Oct	0	0	0	0	15	0	0	22	4	2	0	12
05-Oct	0	0	2	0	14	0	1	11	13	1	0	18
06-Oct	1	0	0	0	16	0	0	9	37	1	0	7
07-Oct	0	0	0	0	14	1	1	7	31	1	0	9
08-Oct	0	0	0	0	11	0	0	9	17	2	0	18
09-Oct	0	0	0	0	12	0	0	17	15	4	0	24
10-Oct	0	0	0	0	14	1	0	26	18	10	0	52
11-Oct	0	0	0	1	21	7	1	21	32	2	0	24
12-Oct	0	0	0	0	24	1	2	1	44	1	1	1
13-Oct	0	0	0	0	7	5	2	28	21	2	7	32
14-Oct	0	0	0	0	16	1	1	15	15	11	1	26
15-Oct	0	0	0	0	9	8	2	34	8	27	2	66
16-Oct	1	0	0	0	12	2	4	18	23	13	2	51

17-Oct	0	0	0	0	26	0	4	12	63	1	11	31
18-Oct	0	0	1	0	37	2	12	11	88	0	15	13
19-Oct	0	0	0	0	27	5	12	31	49	1	12	65
20-Oct	0	0	0	0	26	4	4	57	9	21	7	131
21-Oct	2	0	0	0	32	2	6	34	112	30	18	147
22-Oct	0	0	0	0	29	5	12	57	183	29	31	119
23-Oct	1	0	0	0	23	7	20	29	204	32	70	89
24-Oct	0	0	2	0	20	4	7	38	150	34	26	132
25-Oct	1	0	0	0	18	2	4	47	144	60	0	159
26-Oct	0	0	0	0	34	3	21	59	178	55	57	320
27-Oct	0	0	0	0	42	1	21	73	294	62	38	256
28-Oct	0	0	0	0	45	4	46	12	537	110	143	202
29-Oct	0	0	0	0	29	23	37	73	349	97	151	372
30-Oct	0	0	0	0	17	20	55	37	428	168	119	224
31-Oct	0	0	0	0	37	15	36	33	455	299	112	360
01-Nov	0	0	1	0	51	5	27	60	709	198	142	509
02-Nov	0	0	0	0	55	19	63	40	820	214	284	401
03-Nov	1	0	1	0	34	20	54	38	771	148	323	552
04-Nov	0	0	2	0	46	19	34	21	618	123	348	408
05-Nov	0	0	0	0	46	45	91	59	474	320	319	698
06-Nov	0	0	0	0	40	32	27	47	678	248	392	655
07-Nov	0	0	0	1	57	38	80	23	848	199	383	497
08-Nov	0	0	0	1	33	44	5	29	981	170	783	417
09-Nov	0	1	0	0	34	48	22	3	495	330	570	251
10-Nov	0	0	0	0	48	40	34	27	346	380	282	508
Total	9	1	9	4	1100	434	755	1191	10304	3412	4656	7891

Details of residue burning events in Punjab on 10-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	Fazilka	Abohar	S-NPP	30.17976	74.27539	13:48:01	D	3.90
2	Fazilka	Abohar	S-NPP	30.19532	74.28249	13:48:01	D	4.10
3	Gurdaspur	Dhariwal	S-NPP	31.95349	75.34962	02:38:02	N	0.50
4	Ludhiana	Sidhwan Bet	S-NPP	30.87867	75.41171	13:48:01	D	5.80
5	Ludhiana	Sidhwan Bet	S-NPP	30.87930	75.41717	13:48:01	D	5.80
6	Sangrur	Sunam	S-NPP	30.11129	75.67981	13:48:01	D	5.10

Details of residue burning events in Uttar Pradesh on 10-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AURAIYA	BIDHUNA	AQUA	26.84700	79.39300	13:52:33	D	5.90
2	BANDA	ATARRA	S-NPP	25.38469	80.48347	13:48:01	D	3.90
3	BANDA	BABERU	S-NPP	25.51466	80.80918	13:48:01	D	5.00
4	BANDA	BABERU	AQUA	25.51300	80.80900	13:52:33	D	7.60
5	BULANSAHAR	KHURJA	S-NPP	28.15459	78.02811	13:48:01	D	3.10
6	ETAWAH	BHARTHNA	S-NPP	26.64984	79.26562	13:48:01	D	5.50
7	ETAWAH	BHARTHNA	S-NPP	26.64985	79.26772	13:48:01	D	3.70
8	ETAWAH	BHARTHNA	S-NPP	26.67525	79.15096	13:48:01	D	6.70
9	ETAWAH	BHARTHNA	AQUA	26.64500	79.26700	13:52:33	D	8.80
10	ETAWAH	ETAWAH	AQUA	26.94600	79.11300	13:52:33	D	4.40
11	FATEHPUR	BINKI	AQUA	26.12300	80.49500	13:52:33	D	5.90
12	GAZIPUR	MUHAMMADBAD	S-NPP	25.73858	83.75398	13:48:01	D	3.40
13	GAZIPUR	MUHAMMADBAD	AQUA	25.73200	83.75700	13:52:33	D	8.30
14	GORAKHPUR	GORAKHPUR	S-NPP	26.76929	83.51456	12:08:27	D	4.60
15	JHANSI	JHANSI	S-NPP	25.21525	78.47083	13:48:01	D	6.60
16	JHANSI	JHANSI	AQUA	25.54300	78.65600	13:52:33	D	5.60
17	JHANSI	MOTH	S-NPP	25.71890	78.81901	13:48:01	D	9.00
18	JHANSI	MOTH	S-NPP	25.82042	78.98473	13:48:01	D	7.80
19	JHANSI	MOTH	AQUA	25.82100	78.98400	13:52:33	D	6.40
20	JHANSI	TAHRAULI	S-NPP	25.55930	78.78127	13:48:01	D	4.50
21	JHANSI	TAHRAULI	S-NPP	25.59430	78.81906	13:48:01	D	1.50
22	KANPUR DEHAT	RASULABAD	AQUA	26.64800	79.81600	13:52:33	D	4.50
23	KANPUR DEHAT	SIKANDRA	AQUA	26.49700	79.72500	13:52:33	D	5.00
24	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10401	83.63008	00:57:44	N	0.50
25	MAHARAJGANJ	PHARENDA	S-NPP	27.14326	83.34396	12:08:27	D	3.70
26	MAINPURI	KARHAL	S-NPP	26.99242	79.04404	02:38:02	N	0.50
27	PRATAPGARH	PATTI	S-NPP	26.02867	82.17387	13:48:01	D	1.60
28	RAIBARELI	MAHARAJGANG	AQUA	26.47300	81.27100	13:52:33	D	6.20
29	SIDDHARTHANAGAR	BANSI	S-NPP	27.10277	82.89495	13:48:01	D	2.60
30	SITAPUR	BISWAN	S-NPP	27.47063	81.06162	13:48:01	D	1.40

Details of residue burning events in Rajasthan on 10-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARAN	MANGROL	S-NPP	25.28460	76.32271	13:48:01	D	4.60
2	BARAN	MANGROL	S-NPP	25.29891	76.53610	13:48:01	D	4.00
3	BUNDI	BUNDI	S-NPP	25.35201	75.75878	13:48:01	D	3.80
4	BUNDI	BUNDI	AQUA	25.35200	75.75500	13:52:33	D	7.90
5	BUNDI	KESHORAIPTAN	S-NPP	25.27317	75.98627	13:48:01	D	5.00
6	CHITTAURGARH	DUNGLA	S-NPP	24.65165	74.38210	13:48:01	D	5.50
7	CHITTAURGARH	DUNGLA	AQUA	24.64800	74.38100	13:52:33	D	8.00
8	GANGANAGAR	ANAPGARH	S-NPP	29.24264	73.10124	13:48:01	D	4.60
9	GANGANAGAR	ANAPGARH	S-NPP	29.24496	73.11803	13:48:01	D	7.70
10	GANGANAGAR	ANAPGARH	S-NPP	29.24837	73.11742	13:48:01	D	7.70
11	GANGANAGAR	SURATGARH	S-NPP	29.36956	73.96121	13:48:01	D	10.00
12	GANGANAGAR	SURATGARH	S-NPP	29.36974	73.96256	13:48:01	D	6.60
13	GANGANAGAR	VIJAY NAGAR	S-NPP	29.31490	73.65825	13:48:01	D	12.00
14	GANGANAGAR	VIJAY NAGAR	S-NPP	29.36260	73.71402	13:48:01	D	8.50
15	GANGANAGAR	VIJAY NAGAR	AQUA	29.35700	73.70300	13:52:33	D	13.10
16	GANGANAGAR	VIJAY NAGAR	AQUA	29.35900	73.71700	13:52:33	D	21.40
17	HANUMANGARH	PILIBANGA	S-NPP	29.42601	74.00825	13:48:01	D	3.90
18	HANUMANGARH	PILIBANGA	S-NPP	29.45953	74.04418	13:48:01	D	14.70
19	HANUMANGARH	PILIBANGA	S-NPP	29.49631	74.11355	13:48:01	D	14.00
20	HANUMANGARH	PILIBANGA	S-NPP	29.49734	74.11214	13:48:01	D	9.70
21	HANUMANGARH	PILIBANGA	S-NPP	29.49794	74.11670	13:48:01	D	7.00
22	HANUMANGARH	PILIBANGA	AQUA	29.42100	74.00300	13:52:33	D	8.80
23	HANUMANGARH	PILIBANGA	AQUA	29.46100	74.05000	13:52:33	D	10.90
24	HANUMANGARH	PILIBANGA	AQUA	29.49000	74.10700	13:52:33	D	20.80
25	HANUMANGARH	PILIBANGA	AQUA	29.49200	74.11200	13:52:33	D	36.10
26	HANUMANGARH	PILIBANGA	AQUA	29.49200	74.12100	13:52:33	D	14.40
27	HANUMANGARH	TIBI	S-NPP	29.45537	74.52682	13:48:01	D	2.40

Details of residue burning events in Madhya Pradesh on 10-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	CHANDERI	S-NPP	24.58547	77.96999	13:48:01	D	2.40
2	ASHOKNAGAR	CHANDERI	S-NPP	24.58816	77.95751	13:48:01	D	1.80
3	ASHOKNAGAR	MUNGAOLI	S-NPP	24.36220	78.06938	13:48:01	D	3.60
4	ASHOKNAGAR	MUNGAOLI	S-NPP	24.36631	78.06883	13:48:01	D	3.60
5	ASHOKNAGAR	MUNGAOLI	AQUA	24.36400	78.06500	13:52:33	D	10.70
6	BHIND	GOHAD	S-NPP	26.24638	78.72716	13:48:01	D	9.90
7	BHIND	GOHAD	S-NPP	26.47412	78.39492	13:48:01	D	5.40
8	BHIND	GOHAD	AQUA	26.46000	78.30500	13:52:33	D	8.70
9	BHIND	GOHAD	AQUA	26.46100	78.31500	13:52:33	D	12.20
10	BHIND	GOHAD	AQUA	26.46700	78.28800	13:52:33	D	5.70
11	BHIND	GOHAD	AQUA	26.51400	78.42100	13:52:33	D	7.70
12	BHIND	LAHAR	AQUA	26.16500	78.93800	13:52:33	D	5.40
13	CHHINDWARA	AMARWARA	S-NPP	22.18680	79.28077	13:48:01	D	2.50
14	CHHINDWARA	AMARWARA	S-NPP	22.19103	79.20107	13:48:01	D	2.90
15	CHHINDWARA	AMARWARA	S-NPP	22.31231	79.02093	13:48:01	D	4.50
16	CHHINDWARA	AMARWARA	S-NPP	22.35036	79.23925	13:48:01	D	2.90
17	CHHINDWARA	BICHHUA	S-NPP	21.69665	79.09392	13:48:01	D	2.50
18	CHHINDWARA	BICHHUA	S-NPP	21.83780	79.09827	13:48:01	D	2.00
19	CHHINDWARA	CHAURAI	S-NPP	21.98112	79.35111	13:48:01	D	3.70
20	CHHINDWARA	CHAURAI	S-NPP	21.99701	79.37563	13:48:01	D	3.80
21	CHHINDWARA	CHAURAI	S-NPP	22.10737	79.21159	13:48:01	D	5.90
22	CHHINDWARA	CHAURAI	S-NPP	22.10783	79.37130	13:48:01	D	8.50
23	CHHINDWARA	CHAURAI	S-NPP	22.12283	79.27097	13:48:01	D	1.60
24	CHHINDWARA	CHAURAI	AQUA	22.10500	79.36900	13:52:33	D	7.50
25	CHHINDWARA	CHHINDWARA	S-NPP	21.99046	78.93873	13:48:01	D	5.90
26	DAMOH	JABERA	S-NPP	23.56684	79.70940	13:48:01	D	5.90
27	DAMOH	TENDUKHERA	S-NPP	23.58806	79.56966	13:48:01	D	5.70
28	DATIA	BHANDER	S-NPP	25.79421	78.73528	13:48:01	D	2.50
29	DATIA	BHANDER	S-NPP	25.90167	78.74200	13:48:01	D	3.70

30	DATIA	BHANDER	S-NPP	25.93467	78.71899	13:48:01	D	3.40
31	DATIA	BHANDER	S-NPP	25.94341	78.71790	13:48:01	D	6.90
32	DATIA	BHANDER	S-NPP	25.97509	78.76688	13:48:01	D	6.30
33	DATIA	BHANDER	AQUA	25.89700	78.73700	13:52:33	D	6.90
34	DATIA	BHANDER	AQUA	25.91300	78.72400	13:52:33	D	13.60
35	DATIA	BHANDER	AQUA	25.94000	78.72000	13:52:33	D	11.80
36	DATIA	DATIA	S-NPP	25.60116	78.63690	13:48:01	D	6.40
37	DATIA	DATIA	S-NPP	25.61028	78.33526	13:48:01	D	1.90
38	DATIA	DATIA	S-NPP	25.67973	78.33961	13:48:01	D	1.50
39	DATIA	DATIA	AQUA	25.60300	78.62900	13:52:33	D	4.20
40	DATIA	DATIA	AQUA	25.60500	78.63900	13:52:33	D	3.80
41	DATIA	DATIA	AQUA	25.73900	78.48700	13:52:33	D	7.00
42	DATIA	SEONDHA	S-NPP	25.84718	78.51733	13:48:01	D	6.20
43	DATIA	SEONDHA	S-NPP	25.84835	78.58453	13:48:01	D	2.40
44	DATIA	SEONDHA	S-NPP	25.84848	78.61351	13:48:01	D	3.20
45	DATIA	SEONDHA	S-NPP	25.87209	78.62900	13:48:01	D	2.60
46	DATIA	SEONDHA	S-NPP	25.90830	78.63827	13:48:01	D	1.40
47	DATIA	SEONDHA	S-NPP	25.91157	78.58700	13:48:01	D	3.40
48	DATIA	SEONDHA	S-NPP	25.96412	78.61813	13:48:01	D	4.80
49	DATIA	SEONDHA	S-NPP	25.97278	78.65893	13:48:01	D	8.30
50	DATIA	SEONDHA	S-NPP	25.97326	78.66354	13:48:01	D	8.30
51	DATIA	SEONDHA	S-NPP	25.99458	78.69831	13:48:01	D	13.50
52	DATIA	SEONDHA	S-NPP	25.99507	78.70296	13:48:01	D	7.40
53	DATIA	SEONDHA	S-NPP	25.99895	78.69775	13:48:01	D	5.10
54	DATIA	SEONDHA	S-NPP	26.00237	78.73031	13:48:01	D	5.30
55	DATIA	SEONDHA	S-NPP	26.00283	78.69257	13:48:01	D	5.10
56	DATIA	SEONDHA	S-NPP	26.01600	78.73330	13:48:01	D	1.70
57	DATIA	SEONDHA	S-NPP	26.01642	78.69553	13:48:01	D	4.90
58	DATIA	SEONDHA	S-NPP	26.02030	78.69034	13:48:01	D	4.90
59	DATIA	SEONDHA	S-NPP	26.03551	78.74975	13:48:01	D	9.10
60	DATIA	SEONDHA	S-NPP	26.03639	78.71656	13:48:01	D	7.80
61	DATIA	SEONDHA	S-NPP	26.03976	78.70670	13:48:01	D	7.00
62	DATIA	SEONDHA	S-NPP	26.04428	78.74863	13:48:01	D	2.50

63	DATIA	SEONDHA	S-NPP	26.04550	78.67776	13:48:01	D	8.60
64	DATIA	SEONDHA	S-NPP	26.04700	78.69165	13:48:01	D	8.20
65	DATIA	SEONDHA	S-NPP	26.04801	78.70094	13:48:01	D	2.50
66	DATIA	SEONDHA	S-NPP	26.04816	78.74342	13:48:01	D	3.30
67	DATIA	SEONDHA	S-NPP	26.06046	78.68796	13:48:01	D	5.10
68	DATIA	SEONDHA	S-NPP	26.06397	78.68481	13:48:01	D	15.00
69	DATIA	SEONDHA	S-NPP	26.06436	78.68276	13:48:01	D	8.10
70	DATIA	SEONDHA	S-NPP	26.06483	78.68740	13:48:01	D	5.10
71	DATIA	SEONDHA	S-NPP	26.06808	78.76268	13:48:01	D	4.40
72	DATIA	SEONDHA	S-NPP	26.06824	78.76458	13:48:01	D	4.80
73	DATIA	SEONDHA	S-NPP	26.06987	78.69819	13:48:01	D	3.10
74	DATIA	SEONDHA	S-NPP	26.07063	78.70079	13:48:01	D	4.80
75	DATIA	SEONDHA	S-NPP	26.07247	78.76212	13:48:01	D	4.40
76	DATIA	SEONDHA	S-NPP	26.07262	78.76403	13:48:01	D	4.80
77	DATIA	SEONDHA	AQUA	25.84400	78.51200	13:52:33	D	9.20
78	DATIA	SEONDHA	AQUA	25.84500	78.52200	13:52:33	D	5.60
79	DATIA	SEONDHA	AQUA	25.91100	78.58400	13:52:33	D	10.00
80	DATIA	SEONDHA	AQUA	25.96800	78.65800	13:52:33	D	9.20
81	DATIA	SEONDHA	AQUA	25.97100	78.61800	13:52:33	D	8.70
82	DATIA	SEONDHA	AQUA	25.97200	78.62700	13:52:33	D	9.50
83	DATIA	SEONDHA	AQUA	25.98200	78.69600	13:52:33	D	8.50
84	DATIA	SEONDHA	AQUA	25.99100	78.69400	13:52:33	D	16.20
85	DATIA	SEONDHA	AQUA	25.99300	78.70400	13:52:33	D	10.40
86	DATIA	SEONDHA	AQUA	26.01500	78.67000	13:52:33	D	8.00
87	DATIA	SEONDHA	AQUA	26.03500	78.74700	13:52:33	D	6.00
88	DATIA	SEONDHA	AQUA	26.06500	78.68500	13:52:33	D	10.80
89	DATIA	SEONDHA	AQUA	26.06500	78.76200	13:52:33	D	5.40
90	EAST NIMAR	HARSUD	S-NPP	21.71888	76.65271	13:48:01	D	3.80
91	EAST NIMAR	KHANDWA	AQUA	21.84500	76.44400	13:52:33	D	12.30
92	EAST NIMAR	KHANDWA	AQUA	21.84700	76.45600	13:52:33	D	22.50
93	EAST NIMAR	KHANDWA	AQUA	21.84900	76.46800	13:52:33	D	8.30
94	GUNA	ARON	S-NPP	24.31920	77.46732	13:48:01	D	7.40
95	GUNA	ARON	S-NPP	24.33571	77.47063	13:48:01	D	4.20

96	GUNA	ARON	TERRA	24.31200	77.48300	10:04:08	D	31.00
97	GWALIOR	BHITARWAR	S-NPP	25.74166	78.05413	13:48:01	D	6.10
98	GWALIOR	BHITARWAR	S-NPP	25.75163	78.18190	13:48:01	D	3.90
99	GWALIOR	BHITARWAR	S-NPP	25.75421	78.05248	13:48:01	D	3.10
100	GWALIOR	BHITARWAR	S-NPP	25.75535	77.95073	13:48:01	D	3.90
101	GWALIOR	BHITARWAR	S-NPP	25.77680	78.13957	13:48:01	D	9.20
102	GWALIOR	BHITARWAR	S-NPP	25.78769	78.04023	13:48:01	D	4.60
103	GWALIOR	BHITARWAR	S-NPP	25.78830	78.09075	13:48:01	D	5.20
104	GWALIOR	BHITARWAR	S-NPP	25.78895	78.09141	13:48:01	D	4.10
105	GWALIOR	BHITARWAR	S-NPP	25.79833	78.06017	13:48:01	D	4.60
106	GWALIOR	BHITARWAR	S-NPP	25.80935	78.16209	13:48:01	D	7.00
107	GWALIOR	BHITARWAR	S-NPP	25.83136	78.05150	13:48:01	D	3.30
108	GWALIOR	BHITARWAR	S-NPP	25.84167	78.18391	13:48:01	D	5.40
109	GWALIOR	BHITARWAR	S-NPP	25.85222	78.01030	13:48:01	D	4.00
110	GWALIOR	BHITARWAR	S-NPP	25.85654	78.08676	13:48:01	D	2.40
111	GWALIOR	BHITARWAR	S-NPP	25.85962	78.00079	13:48:01	D	2.60
112	GWALIOR	BHITARWAR	S-NPP	25.86892	78.00804	13:48:01	D	6.20
113	GWALIOR	BHITARWAR	S-NPP	25.87142	78.06760	13:48:01	D	6.50
114	GWALIOR	BHITARWAR	S-NPP	25.87597	78.03272	13:48:01	D	9.70
115	GWALIOR	BHITARWAR	S-NPP	25.87668	78.11426	13:48:01	D	5.80
116	GWALIOR	BHITARWAR	S-NPP	25.88866	78.06956	13:48:01	D	8.10
117	GWALIOR	BHITARWAR	S-NPP	25.88891	78.06982	13:48:01	D	9.10
118	GWALIOR	BHITARWAR	S-NPP	25.89267	78.14242	13:48:01	D	3.80
119	GWALIOR	BHITARWAR	S-NPP	25.89285	78.06900	13:48:01	D	4.30
120	GWALIOR	BHITARWAR	S-NPP	25.89366	78.03888	13:48:01	D	2.60
121	GWALIOR	BHITARWAR	S-NPP	25.89401	78.07775	13:48:01	D	3.60
122	GWALIOR	BHITARWAR	S-NPP	25.89411	78.03908	13:48:01	D	3.50
123	GWALIOR	BHITARWAR	S-NPP	25.89414	78.04309	13:48:01	D	3.30
124	GWALIOR	BHITARWAR	S-NPP	25.89479	78.08598	13:48:01	D	2.90
125	GWALIOR	BHITARWAR	S-NPP	25.89493	78.08625	13:48:01	D	2.40
126	GWALIOR	BHITARWAR	S-NPP	25.89899	78.08542	13:48:01	D	2.90
127	GWALIOR	BHITARWAR	S-NPP	25.89912	78.08569	13:48:01	D	2.40
128	GWALIOR	BHITARWAR	S-NPP	25.90132	78.14598	13:48:01	D	3.10

129	GWALIOR	BHITARWAR	S-NPP	25.90378	78.08938	13:48:01	D	2.40
130	GWALIOR	BHITARWAR	S-NPP	25.90476	78.05906	13:48:01	D	5.60
131	GWALIOR	BHITARWAR	S-NPP	25.91034	78.07125	13:48:01	D	6.50
132	GWALIOR	BHITARWAR	S-NPP	25.92385	78.07806	13:48:01	D	5.60
133	GWALIOR	BHITARWAR	S-NPP	25.93737	78.12379	13:48:01	D	14.10
134	GWALIOR	BHITARWAR	S-NPP	25.94485	78.11411	13:48:01	D	14.30
135	GWALIOR	BHITARWAR	S-NPP	25.97391	78.14495	13:48:01	D	7.40
136	GWALIOR	BHITARWAR	S-NPP	25.99003	78.21272	13:48:01	D	5.00
137	GWALIOR	BHITARWAR	AQUA	25.75700	78.05200	13:52:33	D	9.10
138	GWALIOR	BHITARWAR	AQUA	25.78400	78.04100	13:52:33	D	6.90
139	GWALIOR	BHITARWAR	AQUA	25.79600	78.05900	13:52:33	D	15.70
140	GWALIOR	BHITARWAR	AQUA	25.86900	77.99800	13:52:33	D	9.30
141	GWALIOR	BHITARWAR	AQUA	25.87100	78.00800	13:52:33	D	14.00
142	GWALIOR	BHITARWAR	AQUA	25.90800	78.07300	13:52:33	D	17.00
143	GWALIOR	BHITARWAR	AQUA	25.91700	78.07100	13:52:33	D	7.00
144	GWALIOR	BHITARWAR	AQUA	25.91800	78.08100	13:52:33	D	5.50
145	GWALIOR	BHITARWAR	AQUA	25.92400	78.12100	13:52:33	D	6.80
146	GWALIOR	BHITARWAR	AQUA	25.94200	78.11700	13:52:33	D	7.50
147	GWALIOR	BHITARWAR	AQUA	25.97300	78.14200	13:52:33	D	6.70
148	GWALIOR	DABRA	S-NPP	25.83222	78.29488	13:48:01	D	2.90
149	GWALIOR	DABRA	S-NPP	25.83647	78.29430	13:48:01	D	2.90
150	GWALIOR	DABRA	S-NPP	25.85111	78.31008	13:48:01	D	9.50
151	GWALIOR	DABRA	S-NPP	25.85815	78.25610	13:48:01	D	4.50
152	GWALIOR	DABRA	S-NPP	25.87129	78.21930	13:48:01	D	5.80
153	GWALIOR	DABRA	S-NPP	25.87966	78.17892	13:48:01	D	4.00
154	GWALIOR	DABRA	S-NPP	25.88388	78.17837	13:48:01	D	4.00
155	GWALIOR	DABRA	S-NPP	25.88436	78.18266	13:48:01	D	7.60
156	GWALIOR	DABRA	S-NPP	25.89196	78.21219	13:48:01	D	4.70
157	GWALIOR	DABRA	S-NPP	25.89522	78.20302	13:48:01	D	5.00
158	GWALIOR	DABRA	S-NPP	25.90212	78.19379	13:48:01	D	3.60
159	GWALIOR	DABRA	S-NPP	25.90271	78.19329	13:48:01	D	3.30
160	GWALIOR	DABRA	S-NPP	25.90670	78.38308	13:48:01	D	5.40
161	GWALIOR	DABRA	S-NPP	25.90691	78.30724	13:48:01	D	3.70

162	GWALIOR	DABRA	S-NPP	25.90993	78.26745	13:48:01	D	2.80
163	GWALIOR	DABRA	S-NPP	25.91968	78.42184	13:48:01	D	4.30
164	GWALIOR	DABRA	S-NPP	25.91981	78.27944	13:48:01	D	2.20
165	GWALIOR	DABRA	S-NPP	25.92097	78.27877	13:48:01	D	3.40
166	GWALIOR	DABRA	S-NPP	25.92406	78.27886	13:48:01	D	2.20
167	GWALIOR	DABRA	S-NPP	25.93618	78.39330	13:48:01	D	1.40
168	GWALIOR	DABRA	S-NPP	25.93821	78.29028	13:48:01	D	5.70
169	GWALIOR	DABRA	S-NPP	25.99944	78.37608	13:48:01	D	1.80
170	GWALIOR	DABRA	AQUA	25.87700	78.17600	13:52:33	D	15.10
171	GWALIOR	DABRA	AQUA	25.87900	78.18600	13:52:33	D	7.20
172	GWALIOR	DABRA	AQUA	25.90100	78.39400	13:52:33	D	5.60
173	GWALIOR	DABRA	AQUA	25.91000	78.26600	13:52:33	D	5.70
174	GWALIOR	DABRA	AQUA	25.92300	78.42100	13:52:33	D	6.10
175	GWALIOR	DABRA	AQUA	25.93500	78.31200	13:52:33	D	6.30
176	HOSHANGABAD	BABAI	S-NPP	22.73591	78.00338	13:48:01	D	5.90
177	HOSHANGABAD	BABAI	S-NPP	22.74841	77.90546	13:48:01	D	4.80
178	HOSHANGABAD	BABAI	S-NPP	22.75434	78.02093	13:48:01	D	2.40
179	HOSHANGABAD	BABAI	S-NPP	22.75661	78.03969	13:48:01	D	7.70
180	HOSHANGABAD	BABAI	S-NPP	22.76947	77.84650	13:48:01	D	3.90
181	HOSHANGABAD	BABAI	S-NPP	22.77217	77.84940	13:48:01	D	3.70
182	HOSHANGABAD	BABAI	S-NPP	22.78019	77.81488	13:48:01	D	5.10
183	HOSHANGABAD	BABAI	S-NPP	22.78830	78.03155	13:48:01	D	5.90
184	HOSHANGABAD	BABAI	S-NPP	22.78938	78.03116	13:48:01	D	7.30
185	HOSHANGABAD	BABAI	S-NPP	22.80596	77.82795	13:48:01	D	15.10
186	HOSHANGABAD	BABAI	S-NPP	22.83839	77.82906	13:48:01	D	4.30
187	HOSHANGABAD	BABAI	S-NPP	22.84371	77.83952	13:48:01	D	3.90
188	HOSHANGABAD	BABAI	AQUA	22.80000	77.81800	13:52:33	D	7.40
189	HOSHANGABAD	BABAI	AQUA	22.80200	77.82800	13:52:33	D	15.90
190	HOSHANGABAD	BABAI	AQUA	22.84000	77.83200	13:52:33	D	6.70
191	HOSHANGABAD	BANKHERI	S-NPP	22.72674	78.50733	13:48:01	D	4.70
192	HOSHANGABAD	BANKHERI	S-NPP	22.76956	78.68376	13:48:01	D	1.60
193	HOSHANGABAD	BANKHERI	S-NPP	22.78850	78.59016	13:48:01	D	3.40
194	HOSHANGABAD	BANKHERI	S-NPP	22.80231	78.56369	13:48:01	D	2.60

195	HOSHANGABAD	BANKHERI	S-NPP	22.82261	78.55691	13:48:01	D	1.80
196	HOSHANGABAD	BANKHERI	S-NPP	22.82499	78.57713	13:48:01	D	10.20
197	HOSHANGABAD	BANKHERI	S-NPP	22.84434	78.56226	13:48:01	D	4.60
198	HOSHANGABAD	BANKHERI	S-NPP	22.84601	78.56231	13:48:01	D	18.60
199	HOSHANGABAD	BANKHERI	S-NPP	22.84850	78.56171	13:48:01	D	13.20
200	HOSHANGABAD	BANKHERI	S-NPP	22.86634	78.51865	13:48:01	D	6.50
201	HOSHANGABAD	BANKHERI	S-NPP	22.86680	78.52267	13:48:01	D	11.80
202	HOSHANGABAD	BANKHERI	S-NPP	22.89069	78.47464	13:48:01	D	9.10
203	HOSHANGABAD	BANKHERI	S-NPP	22.91800	78.52821	13:48:01	D	4.20
204	HOSHANGABAD	BANKHERI	S-NPP	22.91917	78.46680	13:48:01	D	4.60
205	HOSHANGABAD	BANKHERI	AQUA	22.79100	78.59400	13:52:33	D	5.20
206	HOSHANGABAD	BANKHERI	AQUA	22.82500	78.57300	13:52:33	D	14.50
207	HOSHANGABAD	BANKHERI	AQUA	22.84100	78.56000	13:52:33	D	8.70
208	HOSHANGABAD	BANKHERI	AQUA	22.88300	78.47100	13:52:33	D	9.40
209	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69006	77.82401	13:48:01	D	3.90
210	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69210	77.67510	13:48:01	D	6.40
211	HOSHANGABAD	HOSHANGABAD	S-NPP	22.74152	77.78365	13:48:01	D	2.10
212	HOSHANGABAD	HOSHANGABAD	AQUA	22.67300	77.70400	13:52:33	D	5.30
213	HOSHANGABAD	HOSHANGABAD	AQUA	22.67500	77.71500	13:52:33	D	23.80
214	HOSHANGABAD	HOSHANGABAD	AQUA	22.69400	77.67300	13:52:33	D	5.70
215	HOSHANGABAD	ITARSI	S-NPP	22.62518	77.74088	13:48:01	D	19.50
216	HOSHANGABAD	ITARSI	S-NPP	22.63059	77.81726	13:48:01	D	6.40
217	HOSHANGABAD	ITARSI	AQUA	22.60000	77.83100	13:52:33	D	6.40
218	HOSHANGABAD	ITARSI	AQUA	22.62100	77.73600	13:52:33	D	15.00
219	HOSHANGABAD	ITARSI	AQUA	22.62300	77.74600	13:52:33	D	17.50
220	HOSHANGABAD	PIPARIYA	S-NPP	22.71356	78.32877	13:48:01	D	1.70
221	HOSHANGABAD	PIPARIYA	S-NPP	22.82374	78.39053	13:48:01	D	3.00
222	HOSHANGABAD	PIPARIYA	S-NPP	22.85121	78.42322	13:48:01	D	1.80
223	HOSHANGABAD	PIPARIYA	S-NPP	22.89542	78.33705	13:48:01	D	1.90
224	HOSHANGABAD	PIPARIYA	S-NPP	22.93478	78.40379	13:48:01	D	1.60
225	HOSHANGABAD	PIPARIYA	S-NPP	22.93680	78.40376	13:48:01	D	1.70
226	HOSHANGABAD	PIPARIYA	AQUA	22.95000	78.42200	13:52:33	D	6.70
227	HOSHANGABAD	SEONI MALWA	S-NPP	22.41880	77.55056	13:48:01	D	6.00

228	HOSHANGABAD	SEONI MALWA	S-NPP	22.60922	77.48228	13:48:01	D	2.50
229	HOSHANGABAD	SOHAGPUR	S-NPP	22.68794	78.15228	13:48:01	D	1.40
230	HOSHANGABAD	SOHAGPUR	S-NPP	22.71848	78.27353	13:48:01	D	2.00
231	HOSHANGABAD	SOHAGPUR	S-NPP	22.75773	78.20747	02:38:02	N	0.80
232	HOSHANGABAD	SOHAGPUR	S-NPP	22.78462	78.27255	13:48:01	D	2.30
233	HOSHANGABAD	SOHAGPUR	S-NPP	22.86165	78.26220	13:48:01	D	2.40
234	JABALPUR	JABALPUR	S-NPP	23.14182	79.84744	13:48:01	D	8.10
235	JABALPUR	JABALPUR	S-NPP	23.22371	79.92271	13:48:01	D	4.10
236	JABALPUR	JABALPUR	S-NPP	23.22443	79.92473	13:48:01	D	6.00
237	JABALPUR	JABALPUR	S-NPP	23.24110	79.90758	13:48:01	D	3.10
238	JABALPUR	JABALPUR	S-NPP	23.25003	79.99261	13:48:01	D	11.90
239	JABALPUR	JABALPUR	S-NPP	23.26164	79.97084	13:48:01	D	2.50
240	JABALPUR	JABALPUR	S-NPP	23.31539	79.91162	13:48:01	D	12.10
241	JABALPUR	JABALPUR	S-NPP	23.31563	79.91368	13:48:01	D	9.00
242	JABALPUR	JABALPUR	S-NPP	23.32674	80.02239	13:48:01	D	3.60
243	JABALPUR	JABALPUR	S-NPP	23.32721	80.01921	13:48:01	D	4.00
244	JABALPUR	JABALPUR	S-NPP	23.37035	79.95066	13:48:01	D	4.40
245	JABALPUR	JABALPUR	AQUA	23.09800	80.12300	13:52:33	D	7.70
246	JABALPUR	JABALPUR	AQUA	23.14200	79.84400	13:52:33	D	5.40
247	JABALPUR	JABALPUR	AQUA	23.21200	79.88500	13:52:33	D	5.90
248	JABALPUR	JABALPUR	AQUA	23.22300	80.09000	13:52:33	D	7.10
249	JABALPUR	JABALPUR	AQUA	23.26000	79.96600	13:52:33	D	14.70
250	JABALPUR	JABALPUR	AQUA	23.26100	79.97500	13:52:33	D	23.80
251	JABALPUR	JABALPUR	AQUA	23.30400	79.88300	13:52:33	D	5.20
252	JABALPUR	JABALPUR	AQUA	23.30800	79.91100	13:52:33	D	16.80
253	JABALPUR	JABALPUR	AQUA	23.31200	80.00000	13:52:33	D	5.60
254	JABALPUR	JABALPUR	AQUA	23.34700	79.99400	13:52:33	D	5.70
255	JABALPUR	JABALPUR	AQUA	23.37600	79.93900	13:52:33	D	4.60
256	JABALPUR	KUNDAM	S-NPP	23.32384	80.24876	13:48:01	D	9.70
257	JABALPUR	KUNDAM	S-NPP	23.32738	80.23775	13:48:01	D	7.00
258	JABALPUR	MAJHOULI	S-NPP	23.41701	79.99615	13:48:01	D	3.90
259	JABALPUR	MAJHOULI	S-NPP	23.41811	80.00628	13:48:01	D	5.80
260	JABALPUR	MAJHOULI	S-NPP	23.47366	80.00704	13:48:01	D	5.40

261	JABALPUR	MAJHOULI	S-NPP	23.54518	80.12527	13:48:01	D	4.40
262	JABALPUR	MAJHOULI	S-NPP	23.54677	80.12297	13:48:01	D	5.90
263	JABALPUR	MAJHOULI	S-NPP	23.56417	80.11028	13:48:01	D	4.60
264	JABALPUR	MAJHOULI	AQUA	23.41200	79.99700	13:52:33	D	11.40
265	JABALPUR	MAJHOULI	AQUA	23.43700	80.04200	13:52:33	D	8.80
266	JABALPUR	MAJHOULI	AQUA	23.45800	79.99900	13:52:33	D	5.40
267	JABALPUR	MAJHOULI	AQUA	23.46800	80.00700	13:52:33	D	6.20
268	JABALPUR	MAJHOULI	AQUA	23.55700	80.17400	13:52:33	D	6.30
269	JABALPUR	PATAN	S-NPP	23.19994	79.77788	13:48:01	D	8.80
270	JABALPUR	PATAN	S-NPP	23.20216	79.77075	13:48:01	D	5.40
271	JABALPUR	PATAN	S-NPP	23.20233	79.71365	13:48:01	D	4.70
272	JABALPUR	PATAN	S-NPP	23.20271	79.77561	13:48:01	D	5.40
273	JABALPUR	PATAN	S-NPP	23.20394	79.77245	13:48:01	D	8.80
274	JABALPUR	PATAN	S-NPP	23.20707	79.81466	13:48:01	D	6.60
275	JABALPUR	PATAN	S-NPP	23.20854	79.81644	13:48:01	D	8.00
276	JABALPUR	PATAN	S-NPP	23.22672	79.68623	13:48:01	D	5.50
277	JABALPUR	PATAN	S-NPP	23.24005	79.76802	13:48:01	D	12.30
278	JABALPUR	PATAN	S-NPP	23.24791	79.84152	13:48:01	D	5.30
279	JABALPUR	PATAN	S-NPP	23.24824	79.80166	13:48:01	D	4.60
280	JABALPUR	PATAN	S-NPP	23.26340	79.81470	13:48:01	D	7.20
281	JABALPUR	PATAN	S-NPP	23.27268	79.69034	13:48:01	D	3.30
282	JABALPUR	PATAN	S-NPP	23.30036	79.77548	13:48:01	D	3.90
283	JABALPUR	PATAN	S-NPP	23.30510	79.76772	13:48:01	D	6.50
284	JABALPUR	PATAN	S-NPP	23.30831	79.76463	13:48:01	D	3.50
285	JABALPUR	PATAN	AQUA	23.19700	79.78000	13:52:33	D	6.90
286	JABALPUR	PATAN	AQUA	23.22900	79.68600	13:52:33	D	13.40
287	JABALPUR	PATAN	AQUA	23.34400	79.84600	13:52:33	D	5.90
288	JABALPUR	SAHPURA	AQUA	23.12400	79.71900	13:52:33	D	6.60
289	JABALPUR	SAHPURA	AQUA	23.18800	79.59400	13:52:33	D	6.70
290	JABALPUR	SIHORA	S-NPP	23.34761	79.99938	13:48:01	D	11.10
291	JABALPUR	SIHORA	S-NPP	23.40571	80.06448	13:48:01	D	3.10
292	JABALPUR	SIHORA	AQUA	23.34300	80.09300	13:52:33	D	5.70
293	JABALPUR	SIHORA	AQUA	23.34900	80.00300	13:52:33	D	7.40

294	JABALPUR	SIHORA	AQUA	23.41000	80.11600	13:52:33	D	9.70
295	JABALPUR	SIHORA	AQUA	23.41300	80.00600	13:52:33	D	17.80
296	KATNI	BAHURIBAND	S-NPP	23.61994	80.12141	13:48:01	D	3.60
297	KATNI	BAHURIBAND	AQUA	23.74300	79.93100	13:52:33	D	7.20
298	KATNI	DHIMERKHEDA	S-NPP	23.38819	80.39529	13:48:01	D	5.30
299	KATNI	DHIMERKHEDA	S-NPP	23.48359	80.39513	13:48:01	D	4.40
300	KATNI	RITHI	S-NPP	23.91733	80.08927	13:48:01	D	2.40
301	NARSHIMAPURA	GADARWARA	S-NPP	22.79696	78.66348	13:48:01	D	4.70
302	NARSHIMAPURA	GADARWARA	S-NPP	22.80540	78.69993	13:48:01	D	6.70
303	NARSHIMAPURA	GADARWARA	S-NPP	22.85800	78.60582	13:48:01	D	7.70
304	NARSHIMAPURA	GADARWARA	S-NPP	22.85938	78.60597	13:48:01	D	6.50
305	NARSHIMAPURA	GADARWARA	S-NPP	22.86818	78.60896	13:48:01	D	2.30
306	NARSHIMAPURA	GADARWARA	S-NPP	22.87235	78.60841	13:48:01	D	2.30
307	NARSHIMAPURA	GADARWARA	S-NPP	22.88672	78.62302	13:48:01	D	3.30
308	NARSHIMAPURA	GADARWARA	S-NPP	22.89040	78.58125	13:48:01	D	4.80
309	NARSHIMAPURA	GADARWARA	S-NPP	22.89086	78.58531	13:48:01	D	8.80
310	NARSHIMAPURA	GADARWARA	S-NPP	22.92993	79.00537	13:48:01	D	2.90
311	NARSHIMAPURA	GADARWARA	AQUA	22.79300	78.66500	13:52:33	D	7.70
312	NARSHIMAPURA	GADARWARA	AQUA	22.80400	78.68200	13:52:33	D	15.60
313	NARSHIMAPURA	GADARWARA	AQUA	22.89000	78.58100	13:52:33	D	5.30
314	NARSHIMAPURA	GOTECAON	S-NPP	22.85704	79.55891	13:48:01	D	3.90
315	NARSHIMAPURA	GOTECAON	AQUA	22.96100	79.48900	13:52:33	D	5.80
316	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.76628	79.29505	13:48:01	D	2.90
317	PANNA	PAWAI	S-NPP	24.31069	80.21286	13:48:01	D	6.60
318	PANNA	SHAHNAGAR	S-NPP	23.91633	79.98943	13:48:01	D	3.30
319	RAISEN	BARELI	S-NPP	22.91737	78.17777	02:38:02	N	0.40
320	RAISEN	BARELI	S-NPP	22.97186	78.25098	02:38:02	N	0.50
321	RAISEN	BARELI	S-NPP	22.98221	78.27323	13:48:01	D	2.20
322	RAISEN	GAIRATGANJ	S-NPP	23.35089	78.08445	13:48:01	D	2.70
323	RAISEN	GOHARGANJ	S-NPP	23.02834	77.53239	13:48:01	D	4.30
324	RAISEN	GOHARGANJ	S-NPP	23.03099	77.55374	13:48:01	D	5.10
325	RAISEN	GOHARGANJ	S-NPP	23.06781	77.63416	13:48:01	D	4.20
326	RAISEN	GOHARGANJ	S-NPP	23.06915	77.63575	13:48:01	D	2.50

327	RAISEN	GOHARGANJ	S-NPP	23.07995	77.43686	13:48:01	D	3.40
328	RAISEN	GOHARGANJ	S-NPP	23.09285	77.54315	13:48:01	D	2.20
329	RAISEN	GOHARGANJ	S-NPP	23.10622	77.92671	13:48:01	D	2.60
330	RAISEN	GOHARGANJ	S-NPP	23.18694	77.59873	13:48:01	D	2.80
331	RAISEN	GOHARGANJ	AQUA	23.00700	77.59700	13:52:33	D	7.60
332	RAISEN	GOHARGANJ	AQUA	23.02200	77.53400	13:52:33	D	7.60
333	RAISEN	GOHARGANJ	AQUA	23.02600	77.55500	13:52:33	D	5.50
334	RAISEN	GOHARGANJ	AQUA	23.17800	77.62800	13:52:33	D	6.60
335	RAISEN	GOHARGANJ	AQUA	23.18200	77.59500	13:52:33	D	6.40
336	REWA	SIRMAUR	S-NPP	24.70057	81.21146	13:48:01	D	6.10
337	SAGAR	DEVRI	S-NPP	23.50287	79.05189	02:38:02	N	0.50
338	SATNA	AMARPATAN	AQUA	24.40400	81.26600	13:52:33	D	7.20
339	SATNA	MAJHG>WAN	S-NPP	24.76636	80.85088	13:48:01	D	4.30
340	SATNA	NAGOD	S-NPP	24.59158	80.65106	13:48:01	D	4.20
341	SATNA	NAGOD	S-NPP	24.61820	80.67185	13:48:01	D	4.30
342	SATNA	R>MPURBAGHLEAN	S-NPP	24.41809	81.05617	13:48:01	D	5.40
343	SATNA	R>MPURBAGHLEAN	AQUA	24.59900	81.13600	13:52:33	D	8.70
344	SATNA	R>MPURBAGHLEAN	AQUA	24.60600	80.97500	13:52:33	D	6.30
345	SEHORE	BUDHNI	S-NPP	22.67520	77.47294	13:48:01	D	2.90
346	SEHORE	BUDHNI	S-NPP	22.68881	77.51900	13:48:01	D	5.70
347	SEHORE	BUDHNI	S-NPP	22.71877	77.56842	13:48:01	D	2.50
348	SEHORE	BUDHNI	S-NPP	22.82690	78.00314	13:48:01	D	1.80
349	SEHORE	BUDHNI	S-NPP	22.84208	78.02775	13:48:01	D	2.60
350	SEHORE	BUDHNI	S-NPP	22.85044	77.88894	02:38:02	N	0.40
351	SEHORE	NASRULLAHGANJ	S-NPP	22.57322	77.20264	13:48:01	D	2.60
352	SEHORE	NASRULLAHGANJ	AQUA	22.57500	77.20600	13:52:33	D	8.30
353	SEONI	GHANSAUR	S-NPP	22.36764	79.83674	13:48:01	D	1.80
354	SEONI	GHANSAUR	S-NPP	22.41087	79.81676	13:48:01	D	3.40
355	SEONI	GHANSAUR	S-NPP	22.41245	79.83107	13:48:01	D	7.00
356	SEONI	GHANSAUR	S-NPP	22.42122	79.66698	13:48:01	D	3.60
357	SEONI	GHANSAUR	S-NPP	22.55625	79.82020	13:48:01	D	2.10
358	SEONI	GHANSAUR	AQUA	22.40800	79.81200	13:52:33	D	6.60
359	SEONI	KEWLARI	S-NPP	22.26897	79.87005	13:48:01	D	8.90

360	SEONI	KEWLARI	S-NPP	22.28327	79.83443	13:48:01	D	8.40
361	SEONI	KEWLARI	S-NPP	22.28952	79.89175	13:48:01	D	6.10
362	SEONI	KEWLARI	S-NPP	22.29327	79.84288	13:48:01	D	6.50
363	SEONI	KEWLARI	S-NPP	22.29933	79.85666	13:48:01	D	11.80
364	SEONI	KEWLARI	S-NPP	22.30091	79.87103	13:48:01	D	3.30
365	SEONI	KEWLARI	S-NPP	22.31857	79.82537	13:48:01	D	4.30
366	SEONI	KEWLARI	S-NPP	22.31887	79.86885	13:48:01	D	6.50
367	SEONI	KEWLARI	S-NPP	22.32358	79.82957	13:48:01	D	4.30
368	SEONI	KEWLARI	S-NPP	22.32442	79.87782	13:48:01	D	2.60
369	SEONI	KEWLARI	S-NPP	22.33824	79.79871	13:48:01	D	3.70
370	SEONI	KEWLARI	S-NPP	22.34066	79.79649	13:48:01	D	5.80
371	SEONI	KEWLARI	S-NPP	22.34250	79.72914	13:48:01	D	3.50
372	SEONI	KEWLARI	S-NPP	22.34449	79.77405	13:48:01	D	3.70
373	SEONI	KEWLARI	S-NPP	22.34707	79.77174	13:48:01	D	8.80
374	SEONI	KEWLARI	S-NPP	22.34868	79.82931	13:48:01	D	1.90
375	SEONI	KEWLARI	S-NPP	22.35287	79.76820	13:48:01	D	2.10
376	SEONI	KEWLARI	S-NPP	22.35531	79.86916	13:48:01	D	2.20
377	SEONI	KEWLARI	S-NPP	22.35724	79.86704	13:48:01	D	3.20
378	SEONI	KEWLARI	S-NPP	22.35994	79.76526	13:48:01	D	5.30
379	SEONI	KEWLARI	S-NPP	22.36430	79.86809	13:48:01	D	6.80
380	SEONI	KEWLARI	S-NPP	22.36492	79.93945	13:48:01	D	6.30
381	SEONI	KEWLARI	S-NPP	22.36622	79.86598	13:48:01	D	4.90
382	SEONI	KEWLARI	S-NPP	22.36803	79.94095	13:48:01	D	11.50
383	SEONI	KEWLARI	S-NPP	22.36996	79.94379	13:48:01	D	6.30
384	SEONI	KEWLARI	S-NPP	22.37572	79.74416	13:48:01	D	5.60
385	SEONI	KEWLARI	S-NPP	22.41217	79.86985	13:48:01	D	7.50
386	SEONI	KEWLARI	S-NPP	22.41719	79.95733	13:48:01	D	4.20
387	SEONI	KEWLARI	AQUA	22.29000	79.88700	13:52:33	D	8.00
388	SEONI	KEWLARI	AQUA	22.29500	79.85700	13:52:33	D	15.10
389	SEONI	KEWLARI	AQUA	22.31700	79.82400	13:52:33	D	7.50
390	SEONI	KEWLARI	AQUA	22.34100	79.72600	13:52:33	D	13.70
391	SEONI	KEWLARI	AQUA	22.34300	79.73500	13:52:33	D	14.60
392	SEONI	KEWLARI	AQUA	22.36200	79.94300	13:52:33	D	6.80

393	SEONI	KEWLARI	AQUA	22.37600	79.90500	13:52:33	D	9.60
394	SEONI	KEWLARI	AQUA	22.40100	79.95000	13:52:33	D	5.50
395	SEONI	KEWLARI	AQUA	22.41100	79.95800	13:52:33	D	7.30
396	SEONI	KURAI	S-NPP	21.95689	79.38033	13:48:01	D	3.20
397	SEONI	LAKHNADOU	S-NPP	22.36118	79.69358	13:48:01	D	5.20
398	SEONI	LAKHNADOU	S-NPP	22.74548	79.70586	13:48:01	D	6.20
399	SEONI	LAKHNADOU	AQUA	22.36400	79.69300	13:52:33	D	11.60
400	SEONI	LAKHNADOU	AQUA	22.74300	79.70100	13:52:33	D	8.40
401	SEONI	LAKHNADOU	AQUA	22.81400	79.62400	13:52:33	D	7.60
402	SEONI	SEONI	S-NPP	22.01851	79.48972	13:48:01	D	2.20
403	SEONI	SEONI	S-NPP	22.02600	79.55716	13:48:01	D	8.90
404	SEONI	SEONI	S-NPP	22.04904	79.48583	13:48:01	D	4.20
405	SEONI	SEONI	S-NPP	22.06289	79.52977	13:48:01	D	4.20
406	SEONI	SEONI	S-NPP	22.06726	79.52920	13:48:01	D	4.20
407	SEONI	SEONI	S-NPP	22.07776	79.42796	13:48:01	D	2.20
408	SEONI	SEONI	S-NPP	22.08864	79.43684	13:48:01	D	2.60
409	SEONI	SEONI	S-NPP	22.15216	79.37444	13:48:01	D	0.70
410	SEONI	SEONI	S-NPP	22.17590	79.70334	13:48:01	D	1.90
411	SEONI	SEONI	S-NPP	22.17696	79.63264	13:48:01	D	3.70
412	SEONI	SEONI	S-NPP	22.19682	79.53265	13:48:01	D	4.00
413	SEONI	SEONI	S-NPP	22.21808	79.79807	13:48:01	D	6.50
414	SEONI	SEONI	S-NPP	22.21874	79.52991	13:48:01	D	2.50
415	SEONI	SEONI	S-NPP	22.21885	79.41162	13:48:01	D	3.50
416	SEONI	SEONI	S-NPP	22.22933	79.77764	13:48:01	D	7.20
417	SEONI	SEONI	S-NPP	22.22986	79.78235	13:48:01	D	7.20
418	SEONI	SEONI	S-NPP	22.23145	79.77372	13:48:01	D	5.90
419	SEONI	SEONI	S-NPP	22.23325	79.77236	13:48:01	D	9.60
420	SEONI	SEONI	S-NPP	22.23379	79.77708	13:48:01	D	7.80
421	SEONI	SEONI	S-NPP	22.23590	79.77316	13:48:01	D	5.90
422	SEONI	SEONI	S-NPP	22.23608	79.75766	13:48:01	D	8.10
423	SEONI	SEONI	S-NPP	22.23883	79.75844	13:48:01	D	8.00
424	SEONI	SEONI	S-NPP	22.24485	79.79478	13:48:01	D	4.60
425	SEONI	SEONI	S-NPP	22.25271	79.76150	13:48:01	D	4.20

426	SEONI	SEONI	S-NPP	22.25716	79.76096	13:48:01	D	8.10
427	SEONI	SEONI	S-NPP	22.25934	79.82288	13:48:01	D	13.40
428	SEONI	SEONI	S-NPP	22.25985	79.82763	13:48:01	D	13.40
429	SEONI	SEONI	S-NPP	22.26367	79.77927	13:48:01	D	5.20
430	SEONI	SEONI	S-NPP	22.28275	79.82967	13:48:01	D	8.40
431	SEONI	SEONI	S-NPP	22.30380	79.77422	13:48:01	D	3.10
432	SEONI	SEONI	S-NPP	22.30433	79.77897	13:48:01	D	5.60
433	SEONI	SEONI	S-NPP	22.32343	79.74782	13:48:01	D	11.80
434	SEONI	SEONI	S-NPP	22.33713	79.76334	13:48:01	D	7.70
435	SEONI	SEONI	S-NPP	22.33841	79.76038	13:48:01	D	3.00
436	SEONI	SEONI	S-NPP	22.34007	79.74860	13:48:01	D	2.60
437	SEONI	SEONI	AQUA	22.04700	79.48300	13:52:33	D	7.80
438	SEONI	SEONI	AQUA	22.06300	79.52900	13:52:33	D	7.40
439	SEONI	SEONI	AQUA	22.21100	79.78900	13:52:33	D	12.30
440	SEONI	SEONI	AQUA	22.21300	79.79900	13:52:33	D	11.30
441	SEONI	SEONI	AQUA	22.22000	79.52900	13:52:33	D	7.40
442	SEONI	SEONI	AQUA	22.22000	79.72000	13:52:33	D	5.40
443	SEONI	SEONI	AQUA	22.22800	79.77700	13:52:33	D	18.40
444	SEONI	SEONI	AQUA	22.23400	79.75600	13:52:33	D	9.60
445	SEONI	SEONI	AQUA	22.23800	79.59400	13:52:33	D	7.70
446	SEONI	SEONI	AQUA	22.27200	79.82200	13:52:33	D	14.30
447	SEONI	SEONI	AQUA	22.27800	79.74300	13:52:33	D	11.90
448	SEONI	SEONI	AQUA	22.28200	79.83000	13:52:33	D	15.70
449	SHAJAPUR	BAROUD	AQUA	23.88100	75.88900	13:52:33	D	16.50
450	SHEOPUR	SHEOPUR	S-NPP	25.44462	76.59584	13:48:01	D	20.70
451	SHEOPUR	SHEOPUR	S-NPP	25.45164	76.58955	13:48:01	D	4.50
452	SHEOPUR	SHEOPUR	S-NPP	25.46503	76.57186	13:48:01	D	4.30
453	SHEOPUR	SHEOPUR	S-NPP	25.46756	76.59250	13:48:01	D	5.40
454	SHEOPUR	SHEOPUR	S-NPP	25.46885	76.57131	13:48:01	D	3.60
455	SHEOPUR	SHEOPUR	S-NPP	25.50100	76.59525	13:48:01	D	4.50
456	SHEOPUR	SHEOPUR	S-NPP	25.50778	76.66589	13:48:01	D	8.70
457	SHEOPUR	SHEOPUR	S-NPP	25.50842	76.67110	13:48:01	D	15.60
458	SHEOPUR	SHEOPUR	S-NPP	25.50957	76.66805	13:48:01	D	36.30

459	SHEOPUR	SHEOPUR	S-NPP	25.51162	76.66534	13:48:01	D	5.10
460	SHEOPUR	SHEOPUR	S-NPP	25.51226	76.67055	13:48:01	D	6.20
461	SHEOPUR	SHEOPUR	S-NPP	25.61770	76.59403	13:48:01	D	3.30
462	SHEOPUR	SHEOPUR	S-NPP	25.64643	76.55569	13:48:01	D	3.70
463	SHEOPUR	SHEOPUR	S-NPP	25.72743	76.58087	13:48:01	D	5.20
464	SHEOPUR	SHEOPUR	S-NPP	25.72882	76.57780	13:48:01	D	6.40
465	SHEOPUR	SHEOPUR	S-NPP	25.72944	76.58301	13:48:01	D	10.00
466	SHEOPUR	SHEOPUR	S-NPP	25.73002	76.60167	13:48:01	D	10.10
467	SHEOPUR	SHEOPUR	S-NPP	25.73129	76.59864	13:48:01	D	14.60
468	SHEOPUR	SHEOPUR	S-NPP	25.73190	76.60384	13:48:01	D	10.50
469	SHEOPUR	SHEOPUR	S-NPP	25.73196	76.61730	13:48:01	D	10.70
470	SHEOPUR	SHEOPUR	S-NPP	25.73314	76.61427	13:48:01	D	9.60
471	SHEOPUR	SHEOPUR	S-NPP	25.73376	76.61951	13:48:01	D	9.60
472	SHEOPUR	SHEOPUR	S-NPP	25.73512	76.59808	13:48:01	D	14.60
473	SHEOPUR	SHEOPUR	S-NPP	25.79969	76.64736	13:48:01	D	5.50
474	SHEOPUR	SHEOPUR	S-NPP	25.80354	76.64680	13:48:01	D	5.50
475	SHEOPUR	SHEOPUR	S-NPP	25.82729	76.64873	13:48:01	D	2.20
476	SHEOPUR	SHEOPUR	S-NPP	25.82871	76.64697	13:48:01	D	19.80
477	SHEOPUR	SHEOPUR	S-NPP	25.83114	76.64818	13:48:01	D	12.60
478	SHEOPUR	SHEOPUR	S-NPP	25.83380	76.65695	13:48:01	D	7.10
479	SHEOPUR	SHEOPUR	S-NPP	25.83564	76.65289	13:48:01	D	5.80
480	SHEOPUR	SHEOPUR	S-NPP	25.83629	76.65816	13:48:01	D	5.80
481	SHEOPUR	SHEOPUR	AQUA	25.44600	76.58800	13:52:33	D	19.00
482	SHEOPUR	SHEOPUR	AQUA	25.50200	76.66200	13:52:33	D	15.70
483	SHEOPUR	SHEOPUR	AQUA	25.50400	76.67300	13:52:33	D	22.50
484	SHEOPUR	SHEOPUR	AQUA	25.64100	76.55400	13:52:33	D	9.90
485	SHEOPUR	SHEOPUR	AQUA	25.72300	76.58300	13:52:33	D	10.90
486	SHEOPUR	SHEOPUR	AQUA	25.72600	76.60500	13:52:33	D	16.00
487	SHEOPUR	SHEOPUR	AQUA	25.72800	76.61600	13:52:33	D	9.60
488	SHEOPUR	SHEOPUR	AQUA	25.82600	76.64600	13:52:33	D	11.60
489	SHEOPUR	SHEOPUR	AQUA	25.83700	76.65500	13:52:33	D	10.20
490	SHEOPUR	SHEOPUR	AQUA	25.85800	76.69000	13:52:33	D	10.40
491	SHIVPURI	KOLARAS	S-NPP	24.86533	77.69347	13:48:01	D	5.60

492	SHIVPURI	KOLARAS	S-NPP	25.14796	77.53771	13:48:01	D	1.70
493	SHIVPURI	KOLARAS	S-NPP	25.20810	77.63107	13:48:01	D	3.80
494	SHIVPURI	NARWAR	S-NPP	25.59891	78.11133	13:48:01	D	1.60
495	SHIVPURI	NARWAR	S-NPP	25.60519	78.28773	13:48:01	D	6.00
496	SHIVPURI	NARWAR	S-NPP	25.60565	78.29205	13:48:01	D	6.00
497	SHIVPURI	NARWAR	S-NPP	25.64783	78.13058	13:48:01	D	1.50
498	SHIVPURI	NARWAR	S-NPP	25.66989	78.17501	13:48:01	D	7.10
499	SHIVPURI	NARWAR	S-NPP	25.70870	77.98634	13:48:01	D	4.90
500	SHIVPURI	NARWAR	AQUA	25.62500	78.03100	13:52:33	D	5.70
501	VIDESHA	NATERAN	S-NPP	23.79161	77.67045	13:48:01	D	2.50
502	VIDESHA	SIRANJ	S-NPP	24.16698	77.53020	13:48:01	D	3.50
503	VIDESHA	VIDESHA	S-NPP	23.55204	77.66248	13:48:01	D	3.80
504	VIDESHA	VIDESHA	S-NPP	23.55726	77.84254	13:48:01	D	2.10
505	VIDESHA	VIDESHA	AQUA	23.55300	77.84000	13:52:33	D	8.50
506	WEST NIMAR	KASRAWAD	S-NPP	22.13801	75.62472	13:48:01	D	3.30
507	WEST NIMAR	KASRAWAD	S-NPP	22.14767	75.74842	13:48:01	D	2.80
508	WEST NIMAR	KHARGON	S-NPP	21.78748	75.66319	13:48:01	D	3.80

The study used data received from following Satellites at NRSC 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

**The rice mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India
The kharif crop mask for Delhi, Uttar Pradesh, Rajasthan and Madhya Pradesh were provided by NRSC (ISRO)**

Study Team

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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)

The DASHBOARD for paddy residue burning events is available at weblink: [CREAMS Fire Dashboard](#)
