

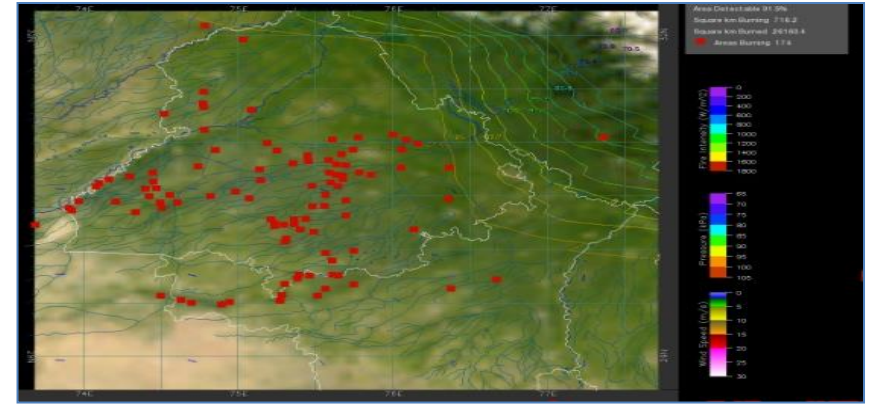
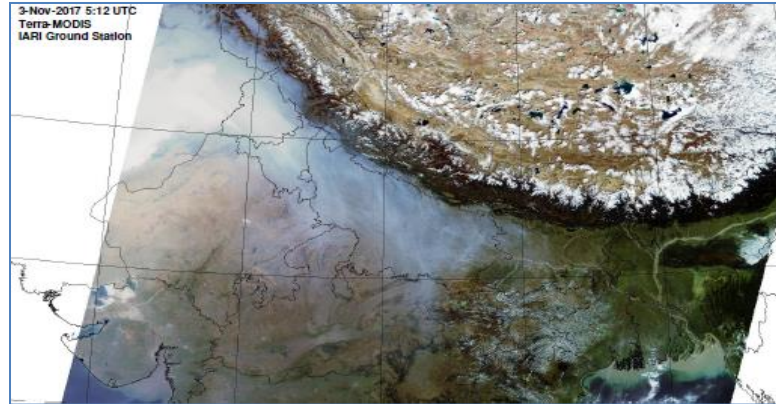


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

**Bulletin
No. 76**

**Events Date:
29-Nov-2024**

**Issued on:
29-Nov-2024**



**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS)
Laboratory,**

Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

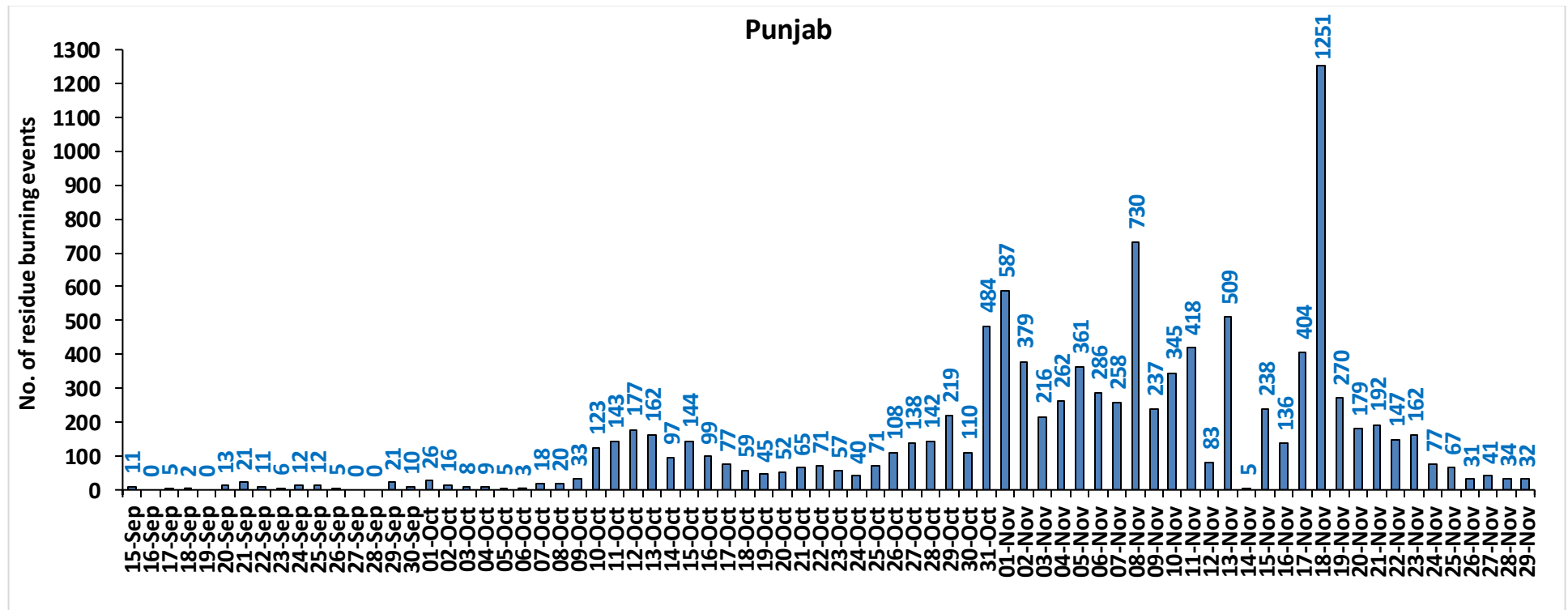
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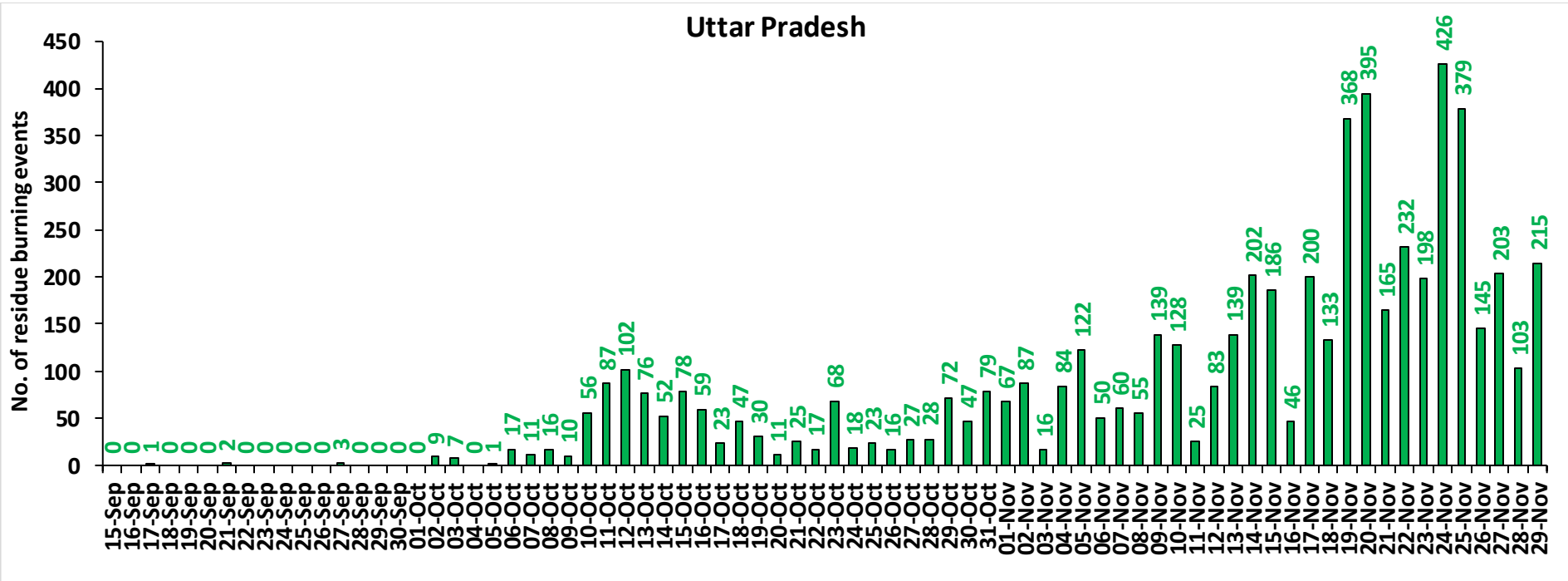
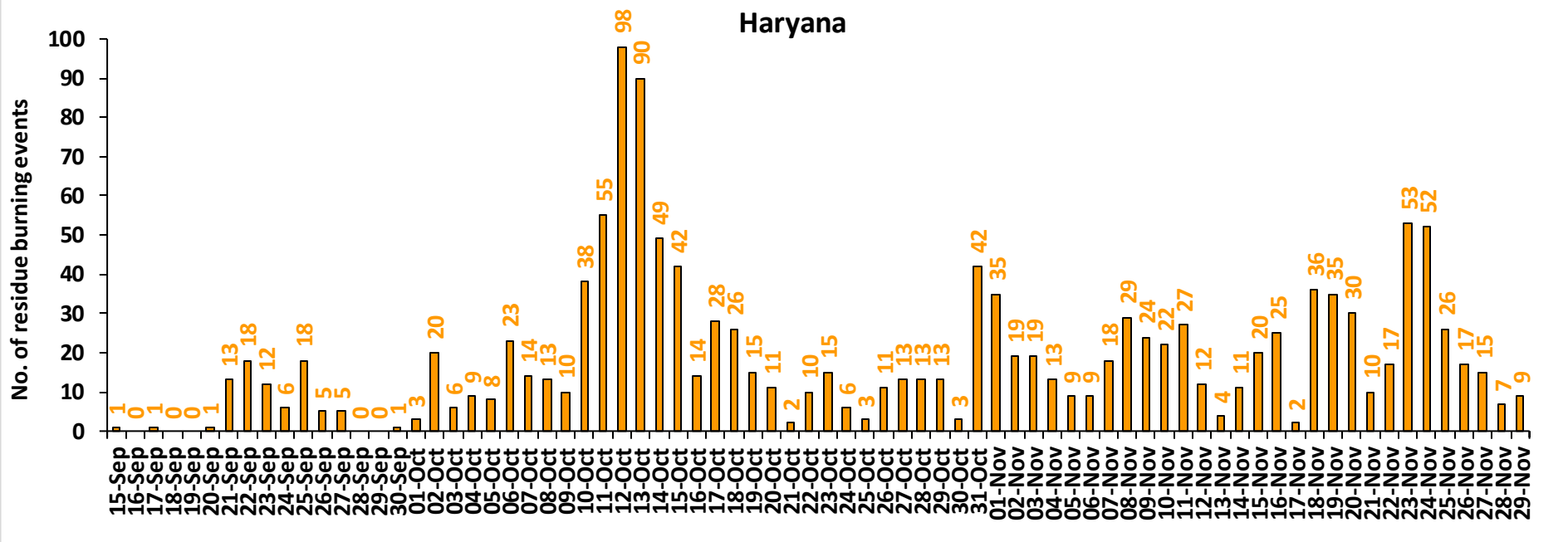


Highlights for 29-Nov-2024

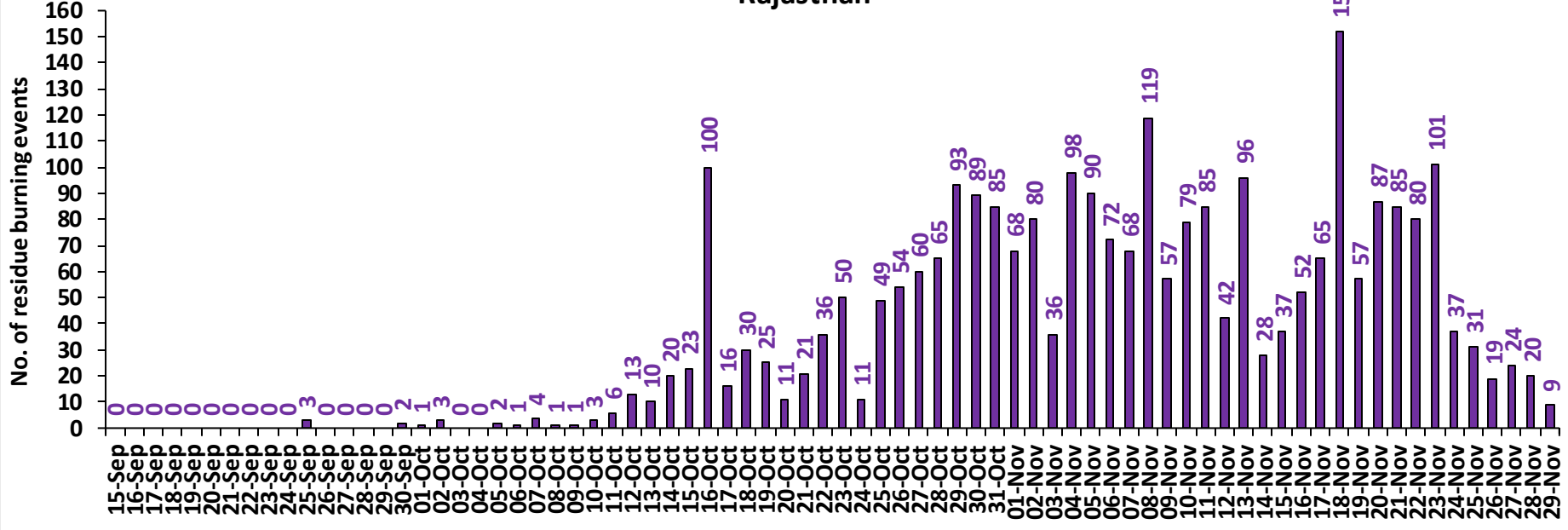
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **576** residue burning events in the six study States on **29-Nov-2024**.
- The state wise events detected on **29-Nov-2024** were **32** in Punjab, **09** in Haryana, **215** in UP, **00** in Delhi, **09** in Rajasthan and **311** in MP.
- Total **36893** burning events were detected in the six states between **15-Sept-2024** and **29-Nov-2024**, which are distributed as **10887**, **1389**, **5769**, **12**, **2762** and **16074** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

Temporal distribution of rice residue burning events for the study States in 2024

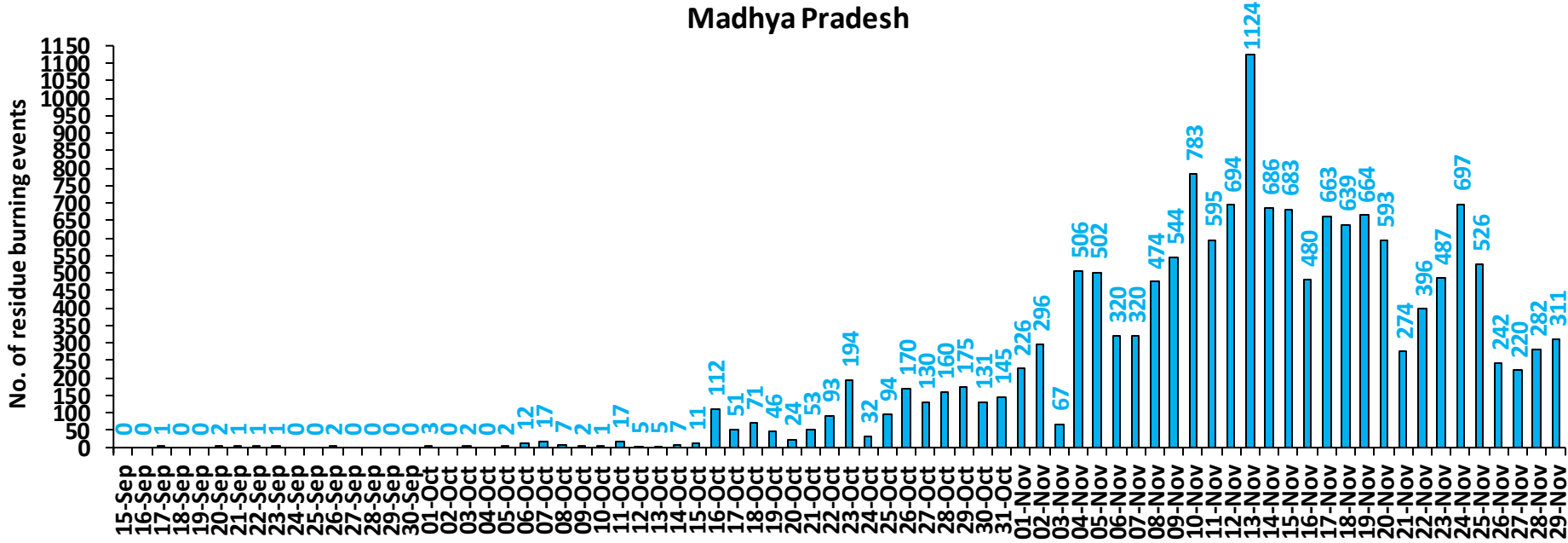


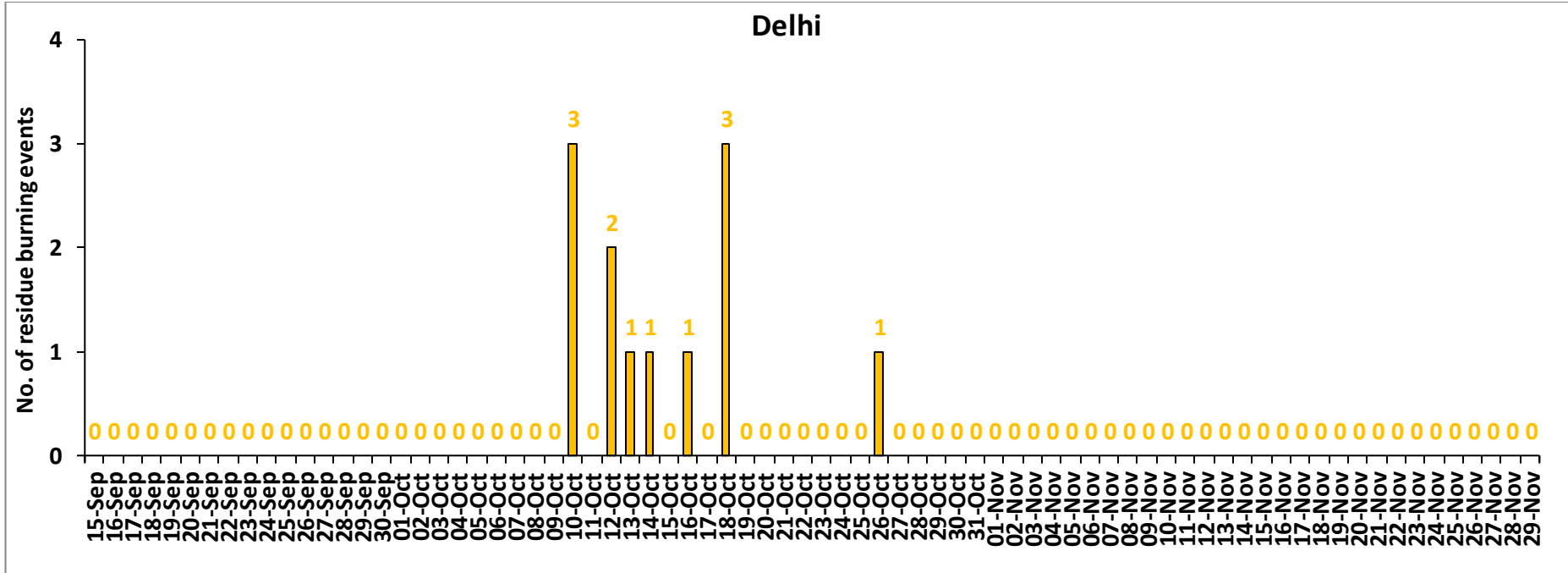


Rajasthan

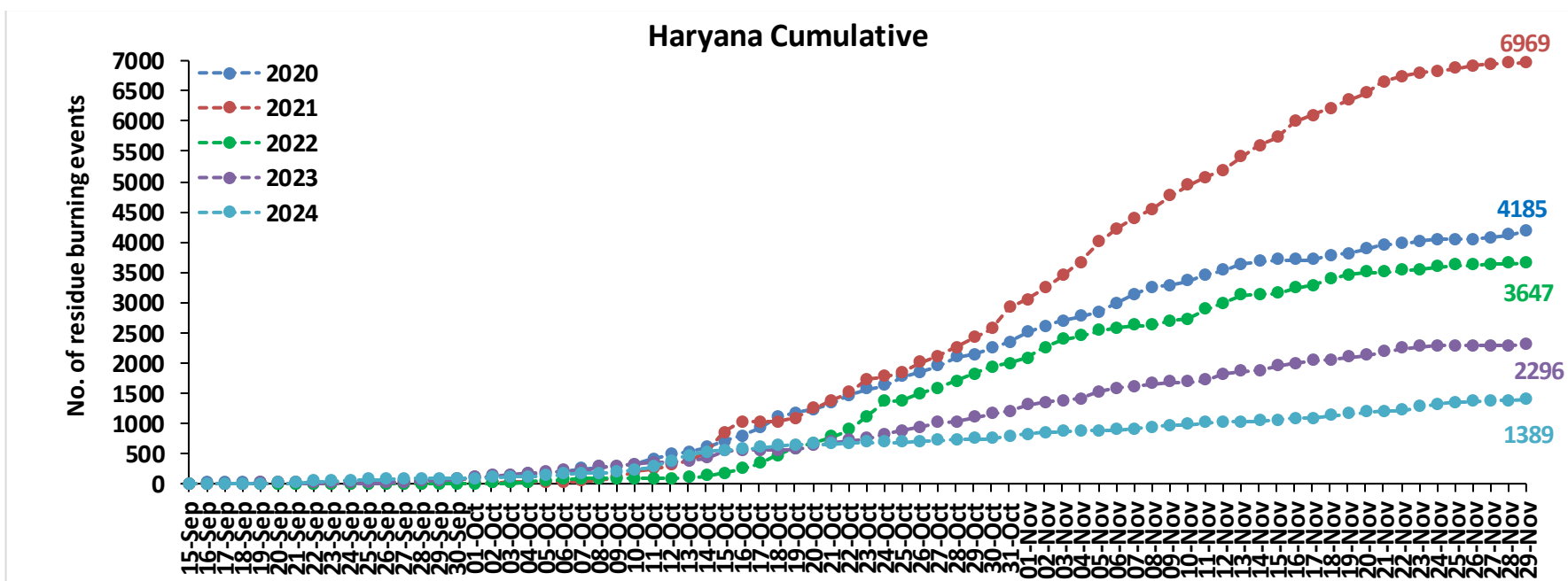
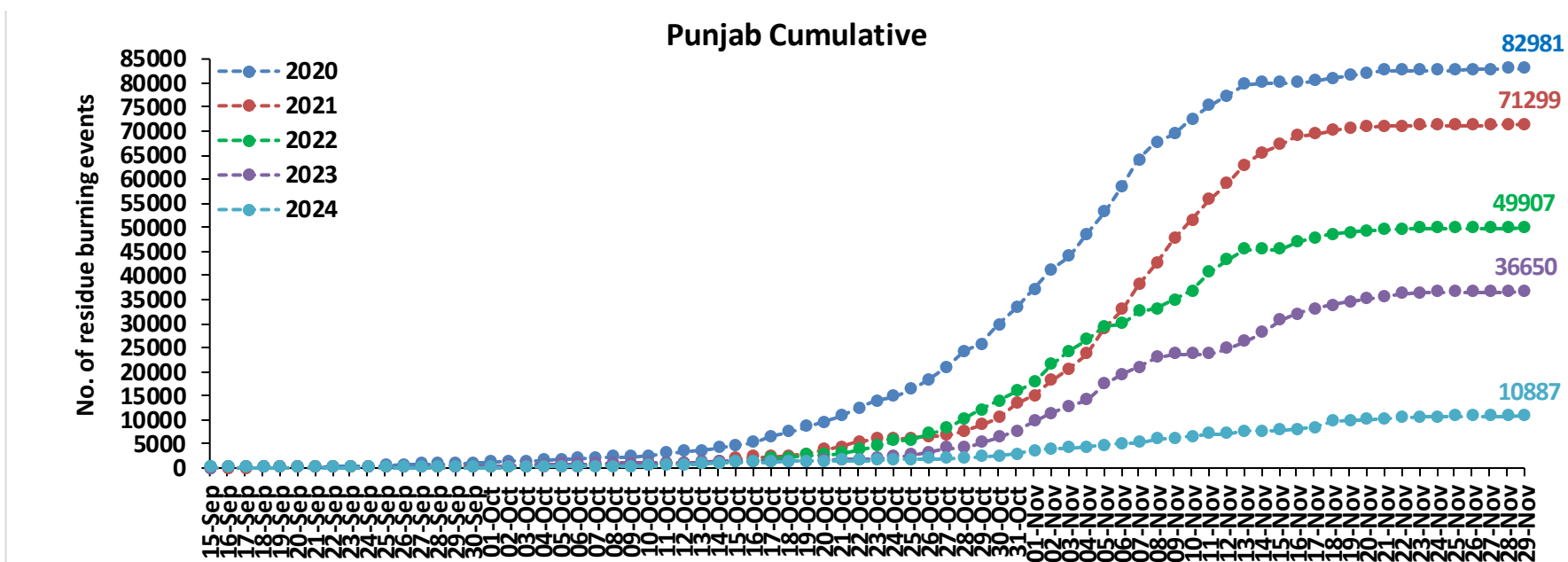


Madhya Pradesh

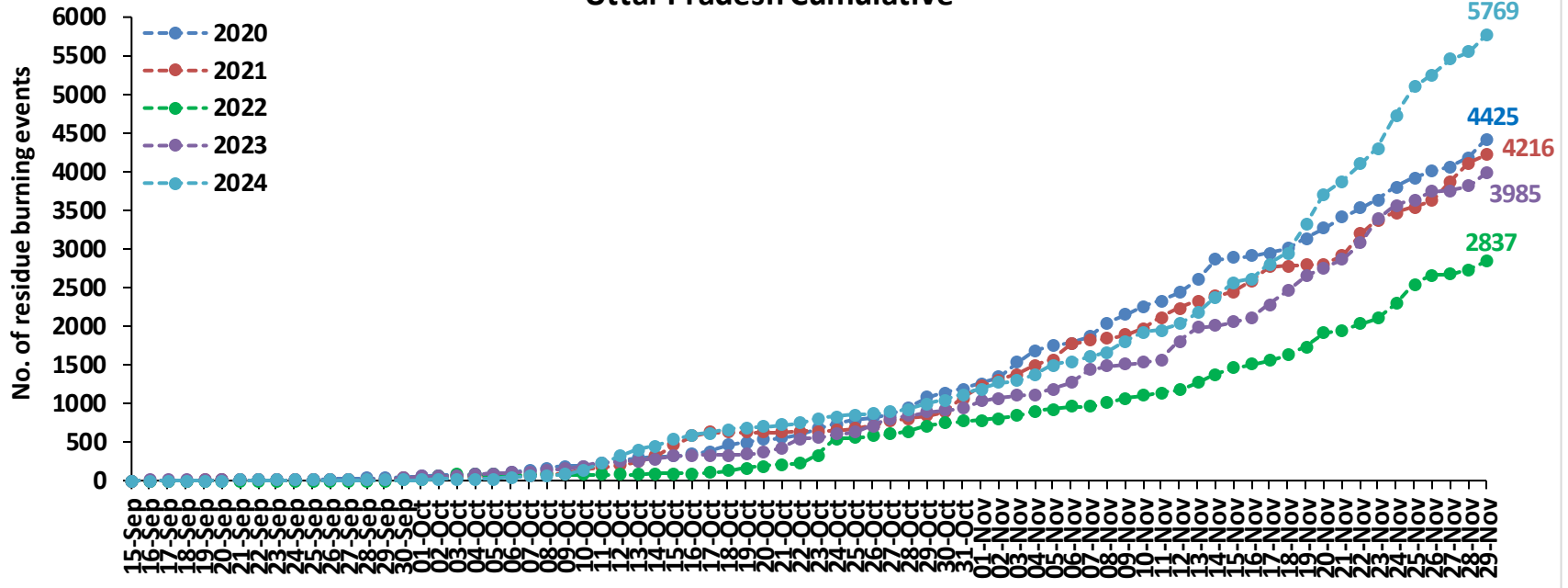




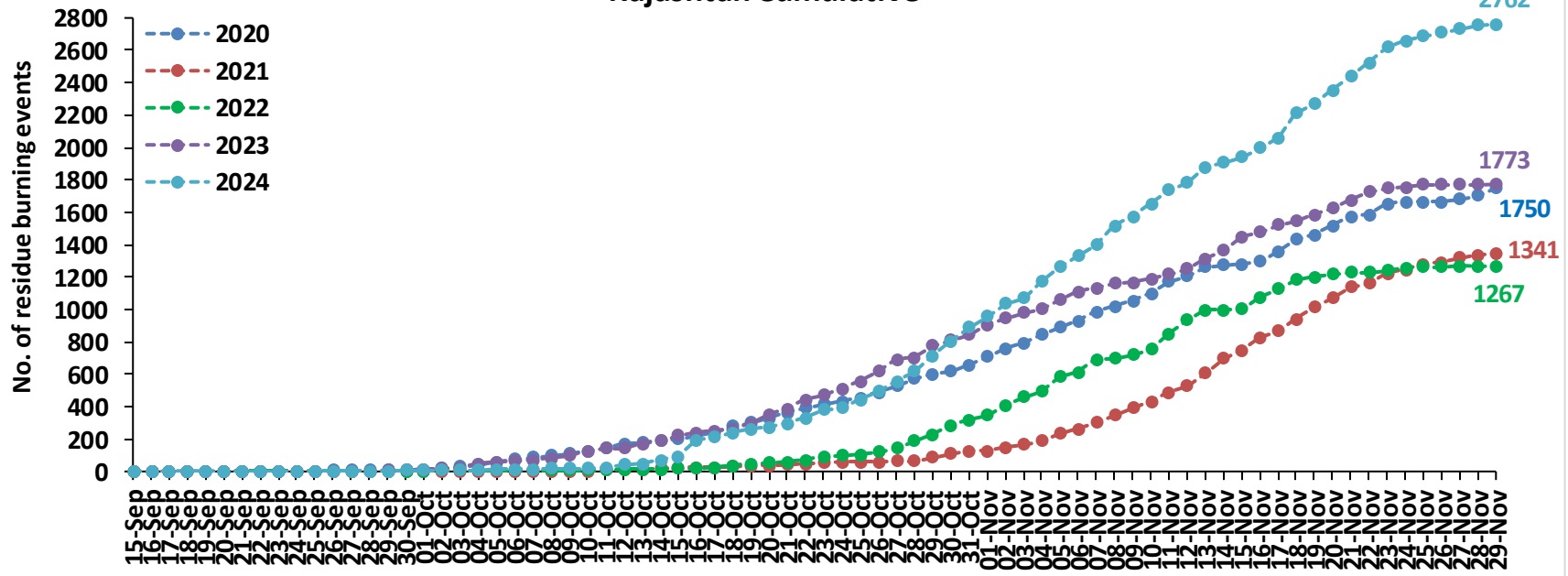
Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States

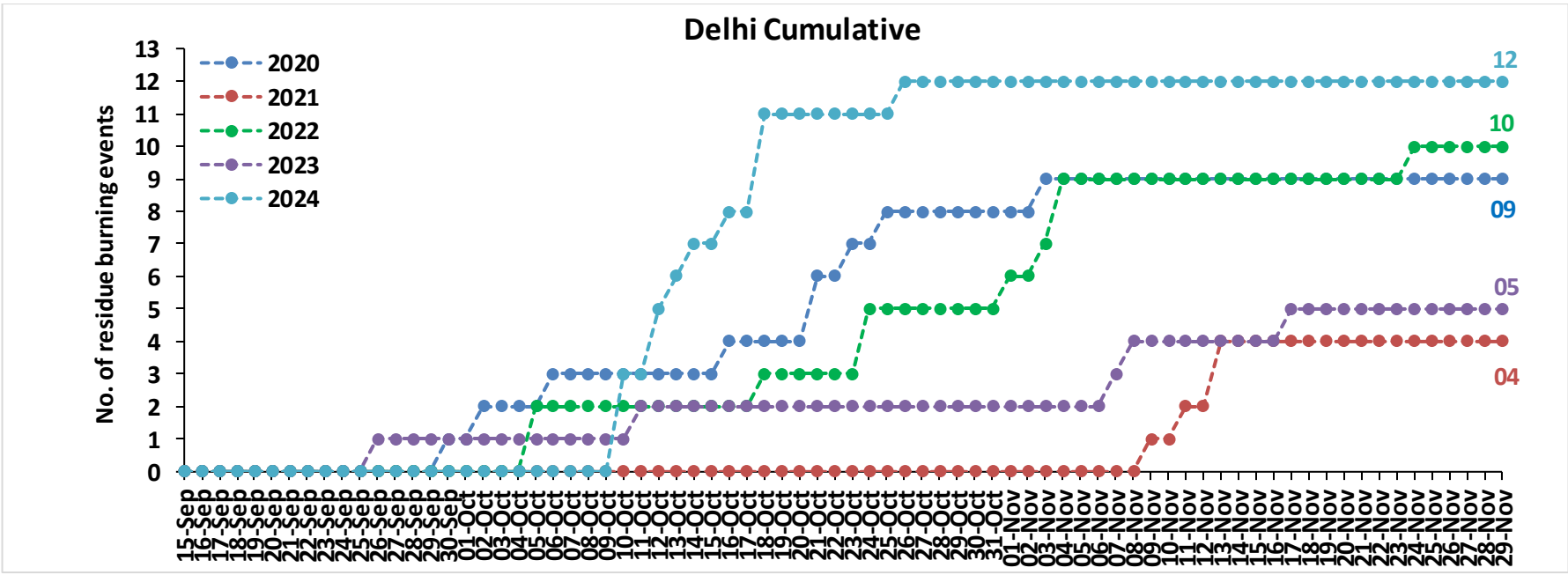
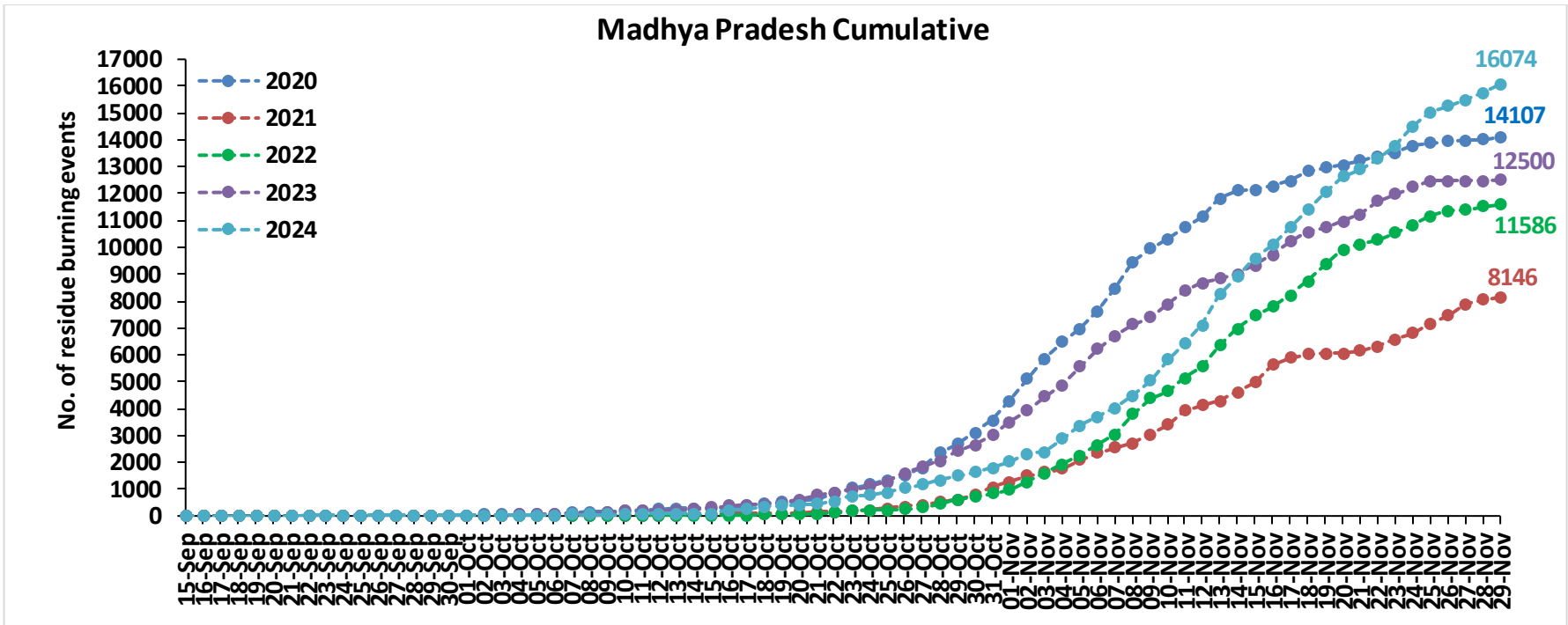


Uttar Pradesh Cumulative

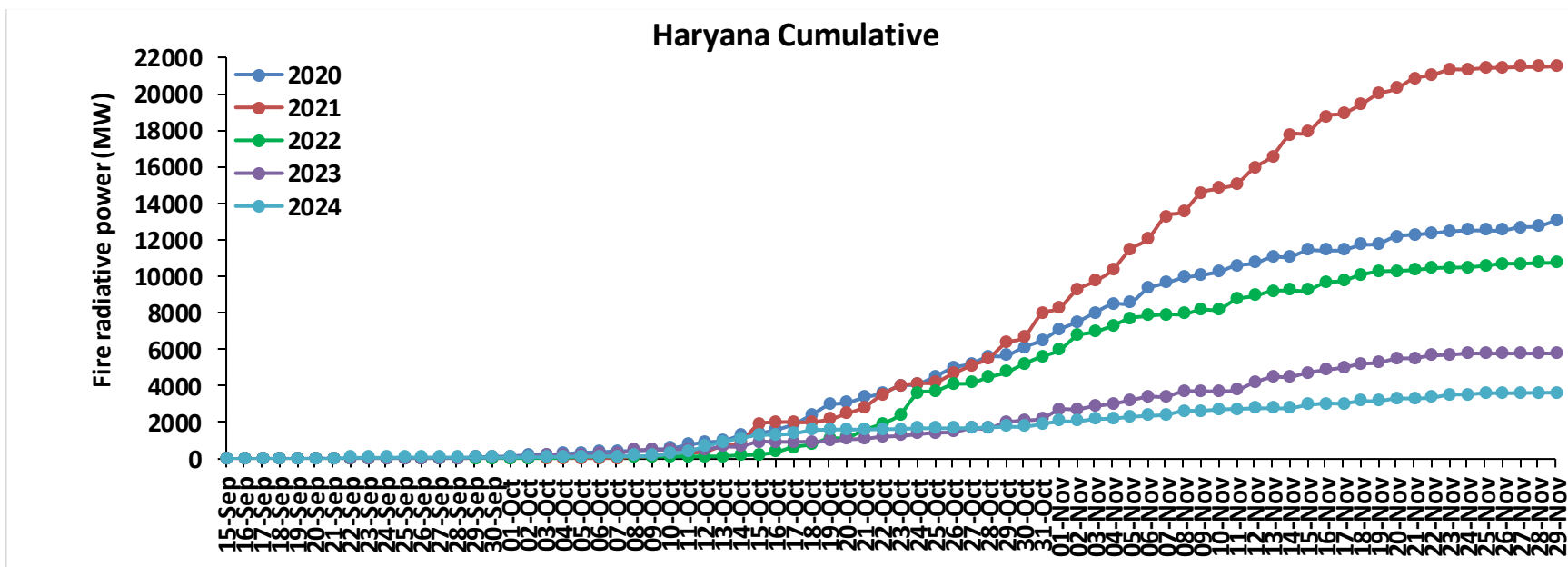
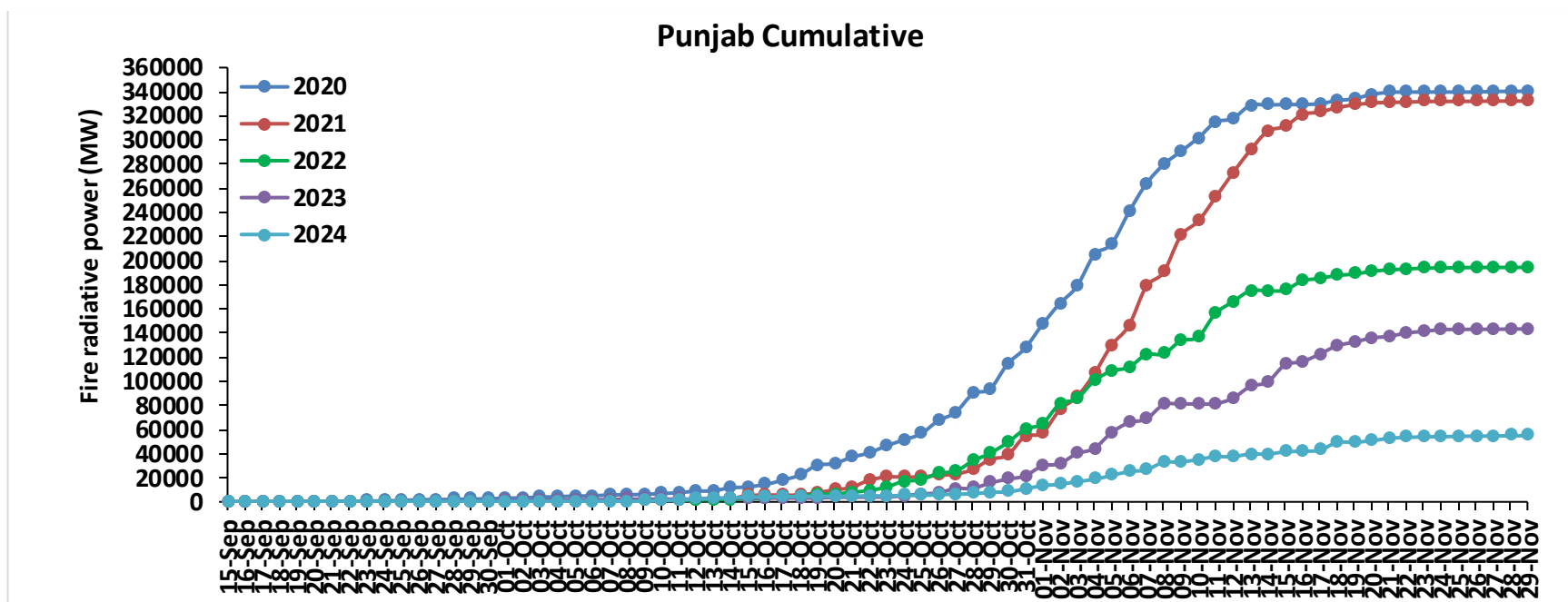


Rajasthan Cumulative

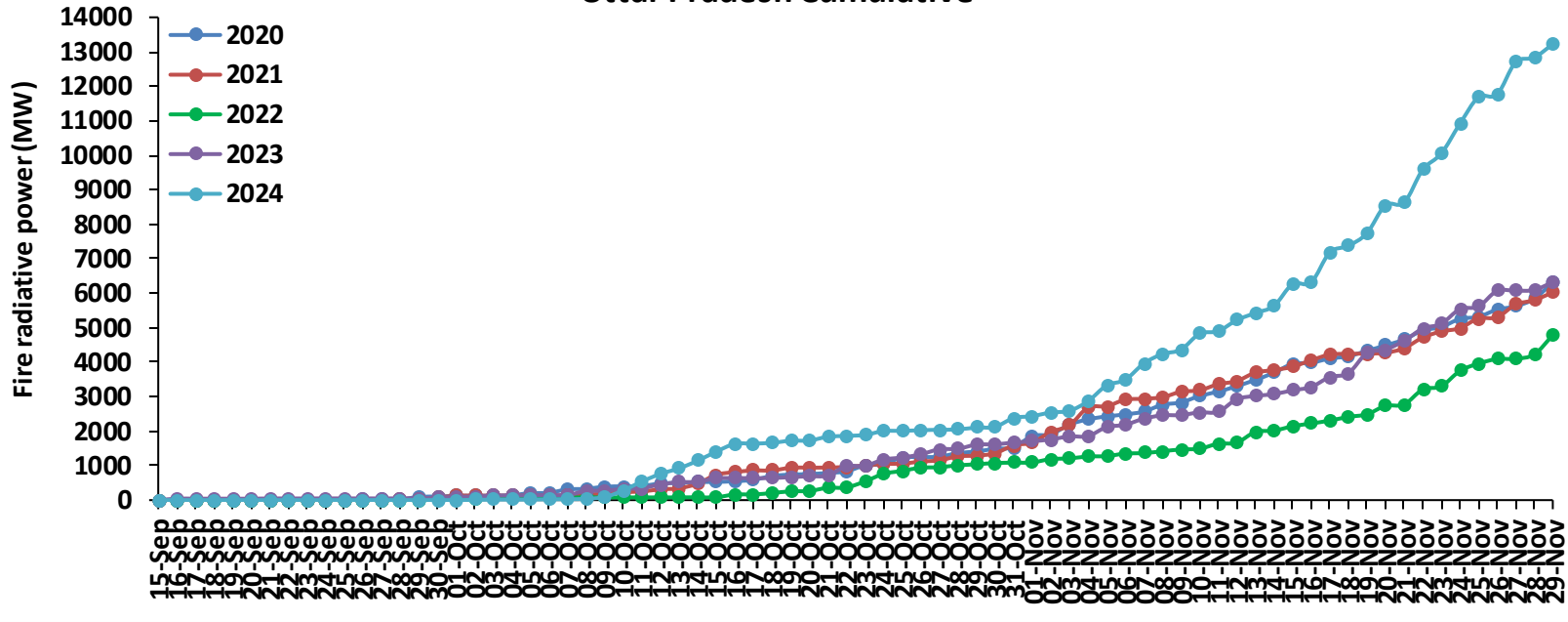




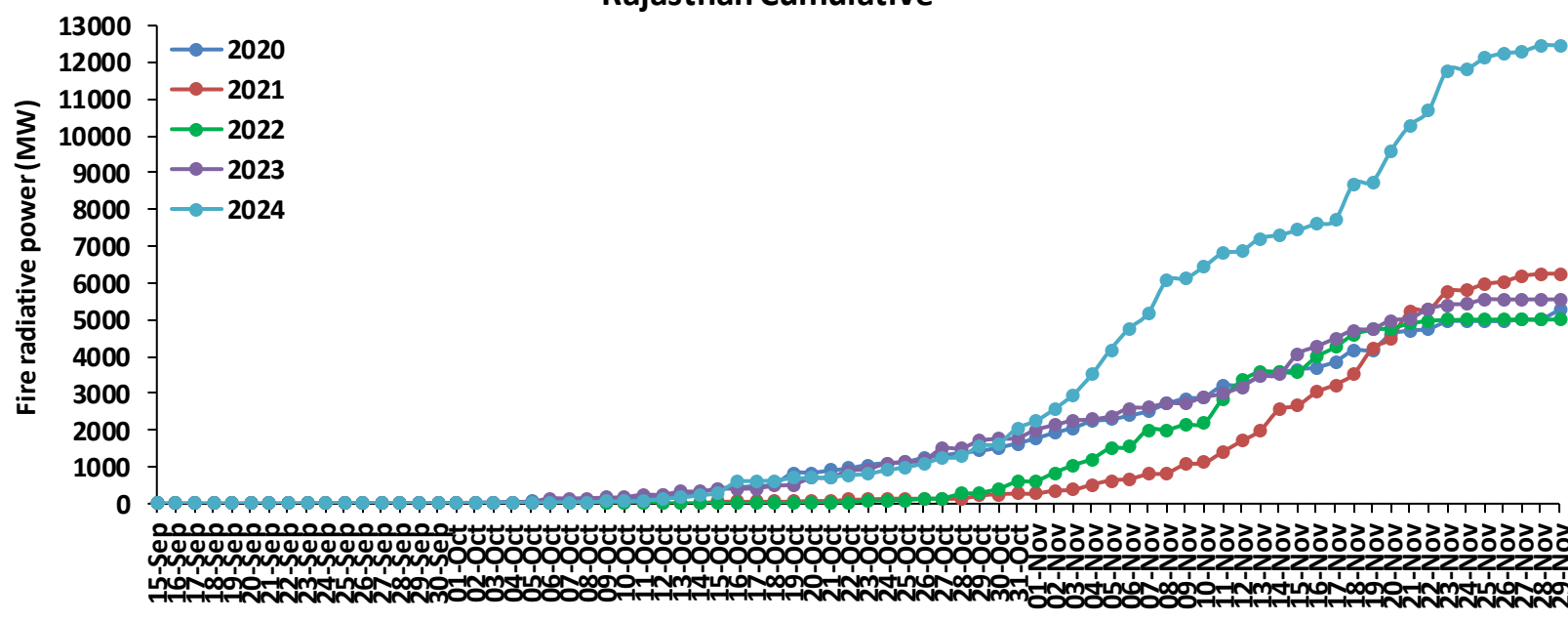
Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States

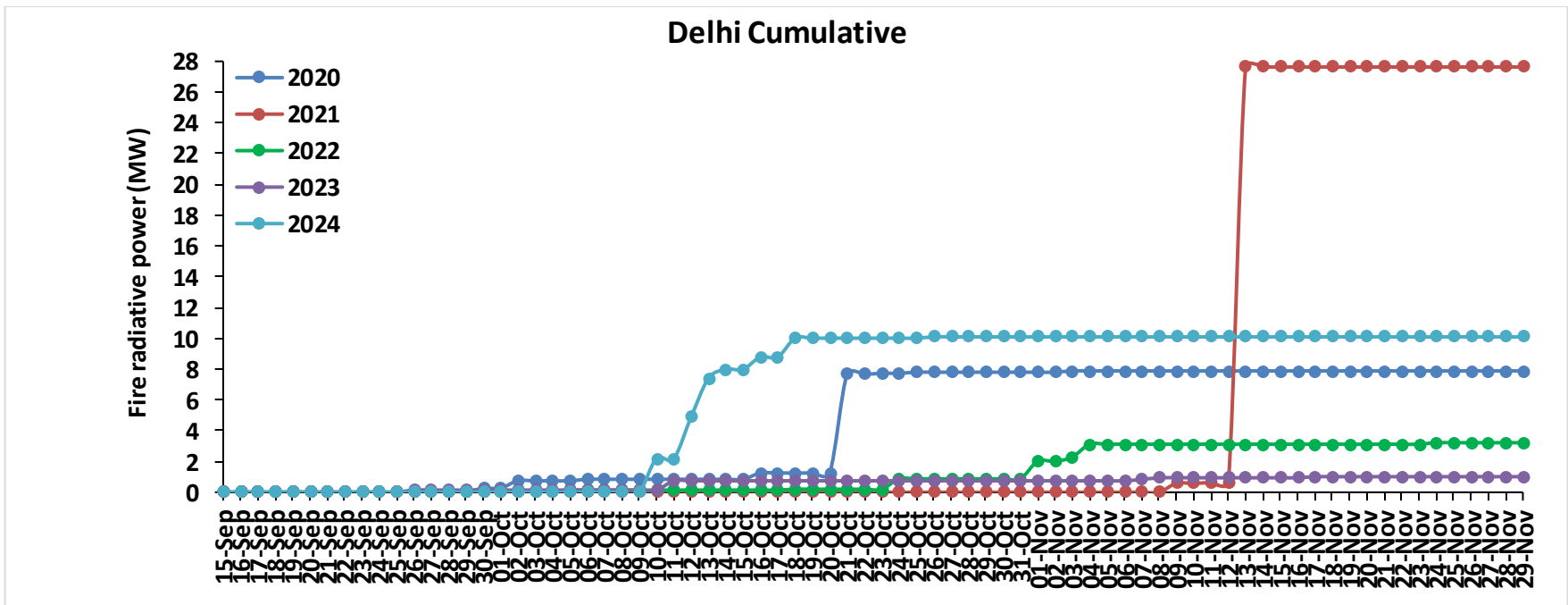
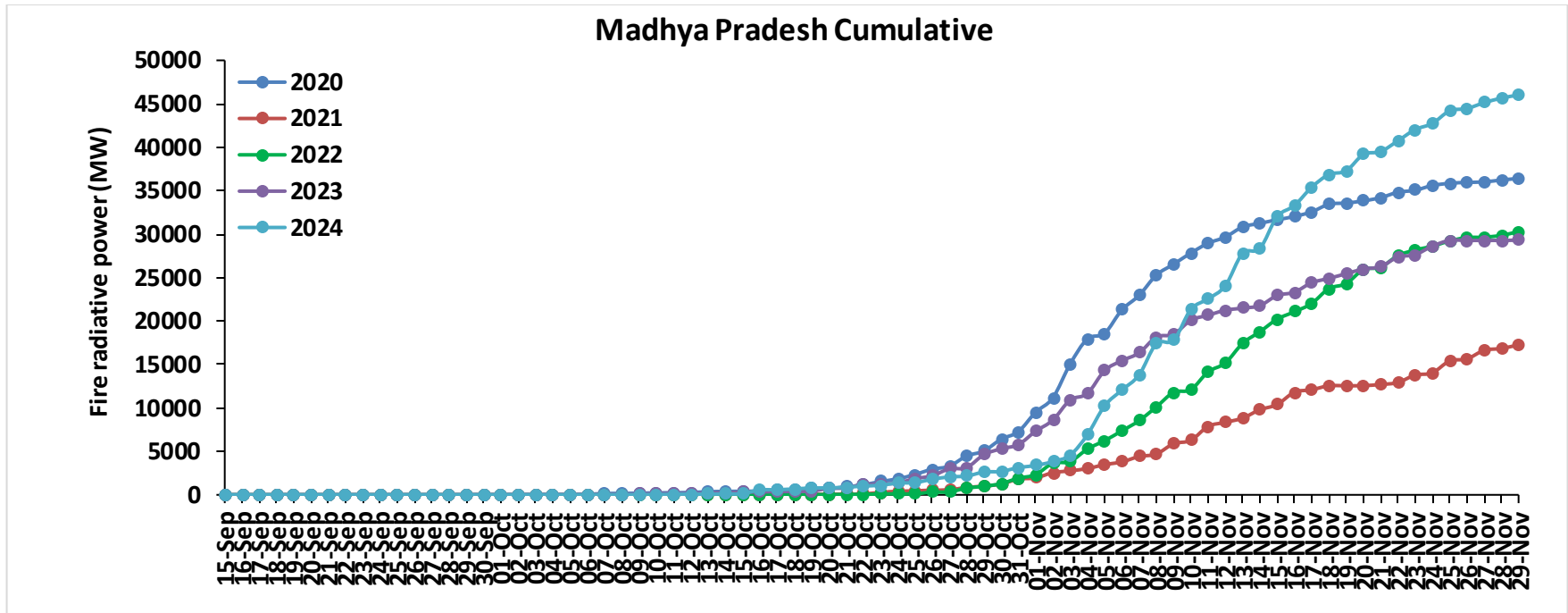


Uttar Pradesh Cumulative



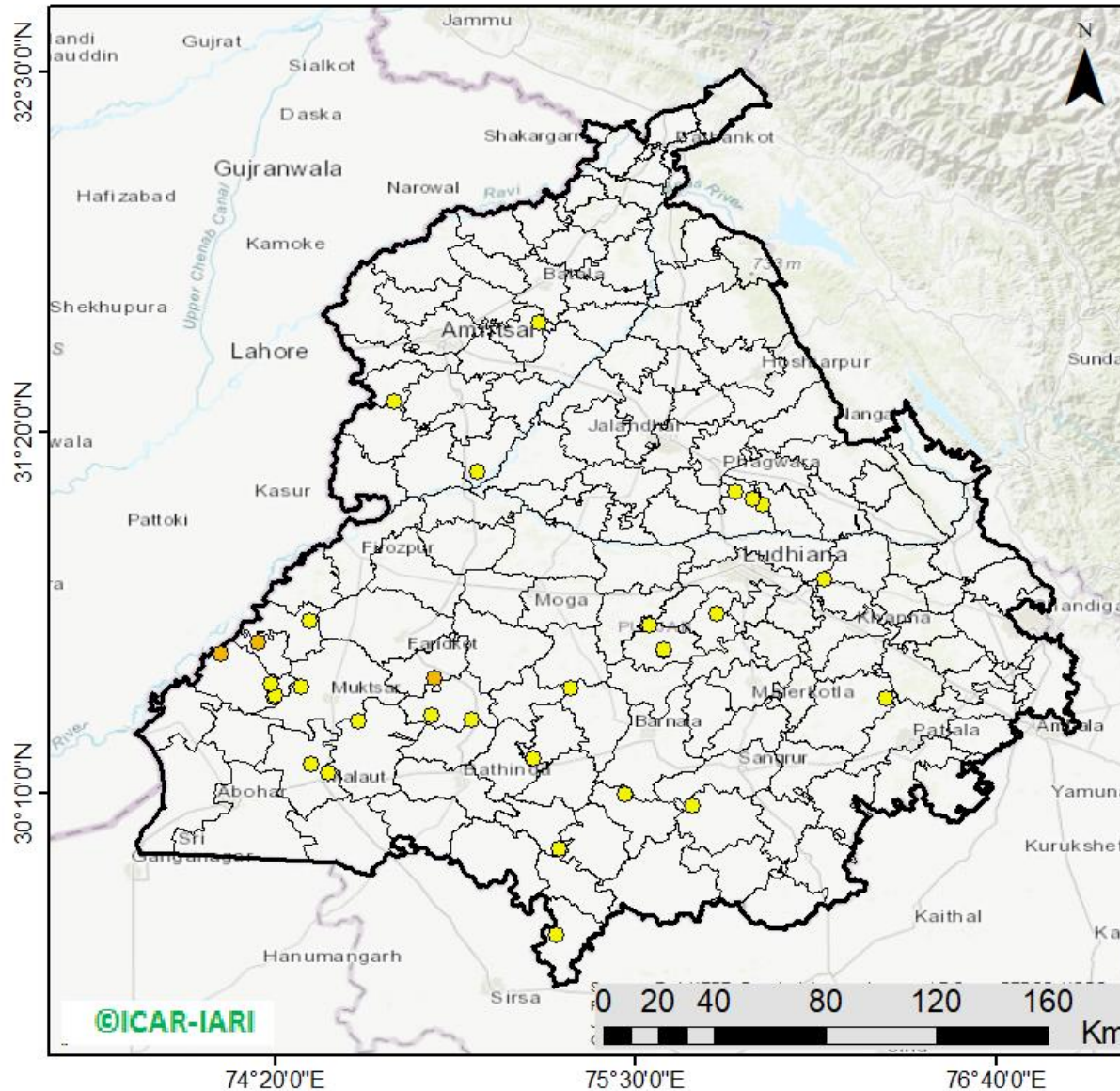
Rajasthan Cumulative





Punjab

RICE RESIDUE BURNING IN PUNJAB



32 burning events detected in Punjab during (29th Nov 2024)

Fire Intensity (W/m²)

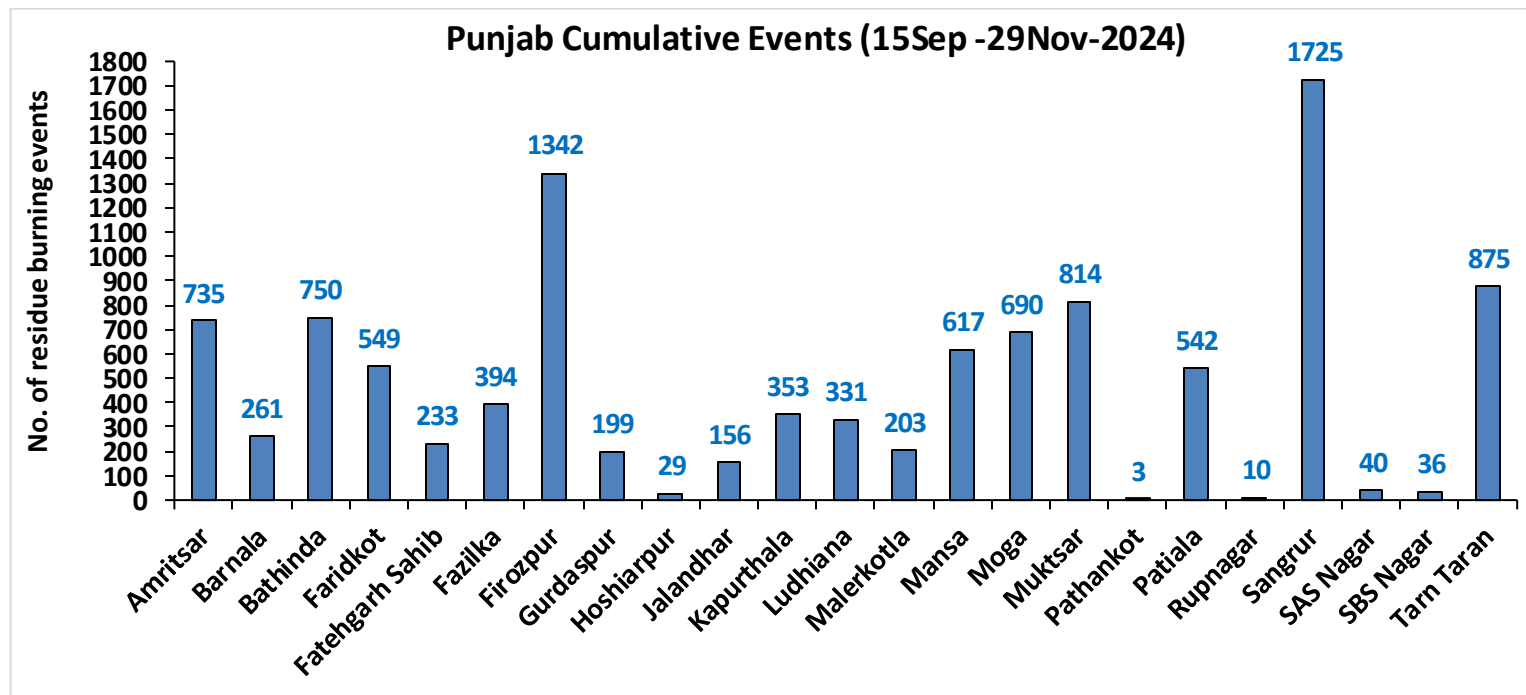
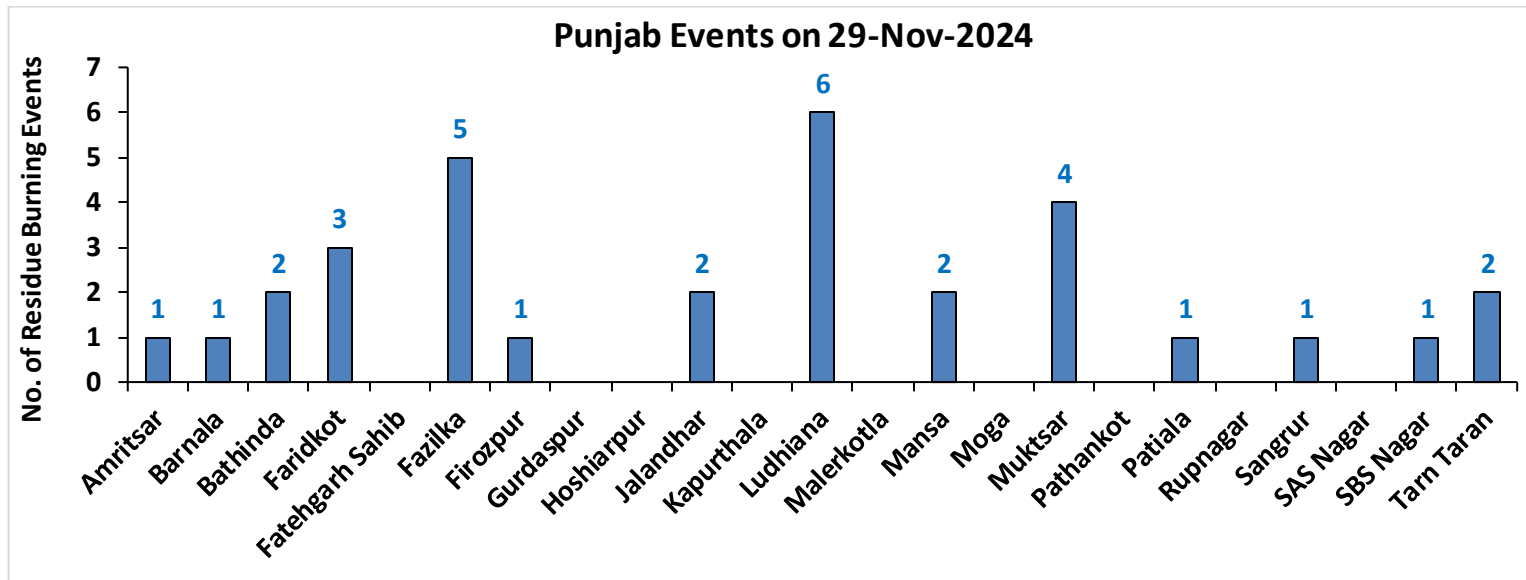
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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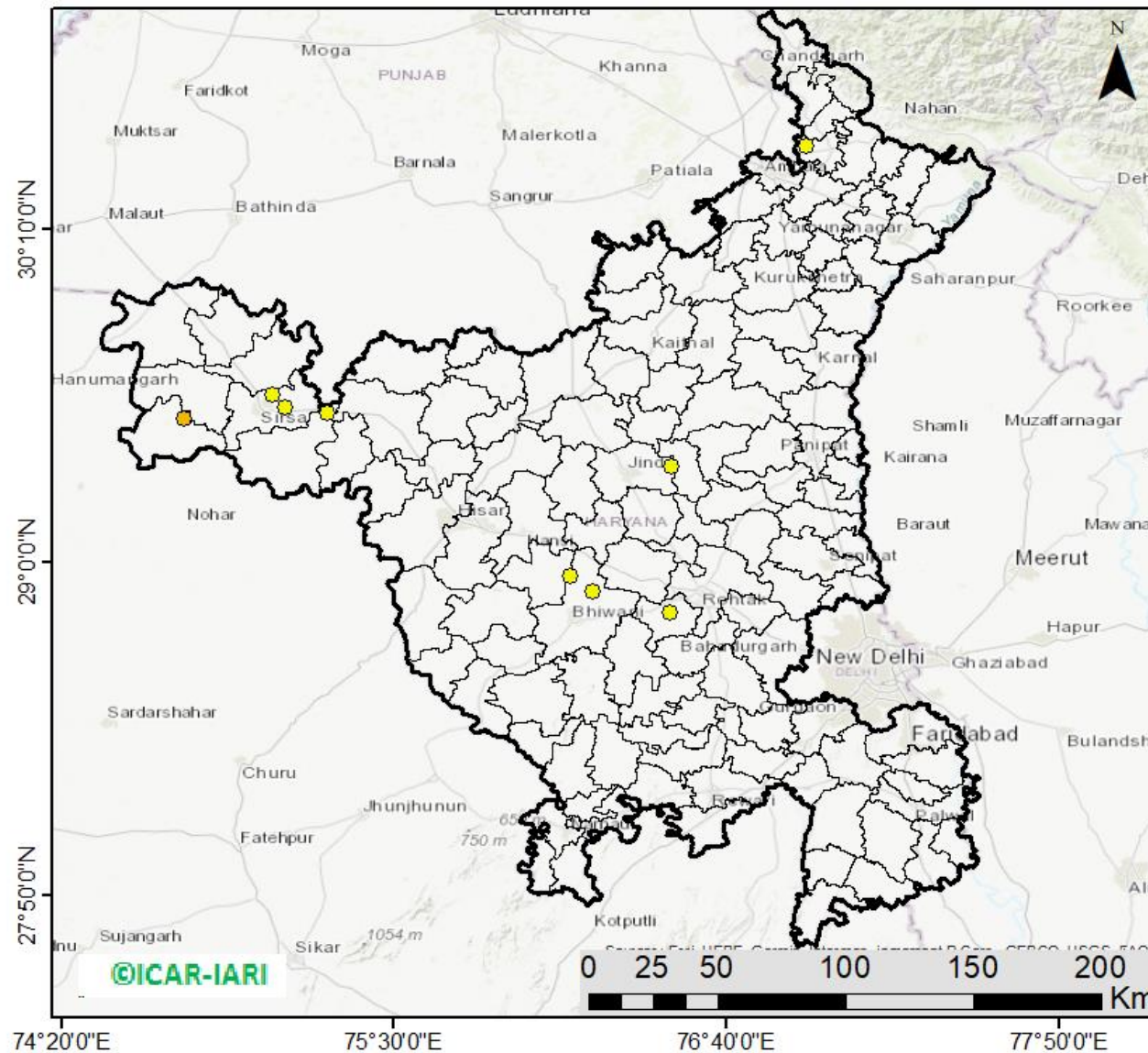
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Punjab (15Sep-29Nov-2024)



Haryana

RICE RESIDUE BURNING IN HARYANA



09 burning events detected in Haryana on (29th Nov 2024)

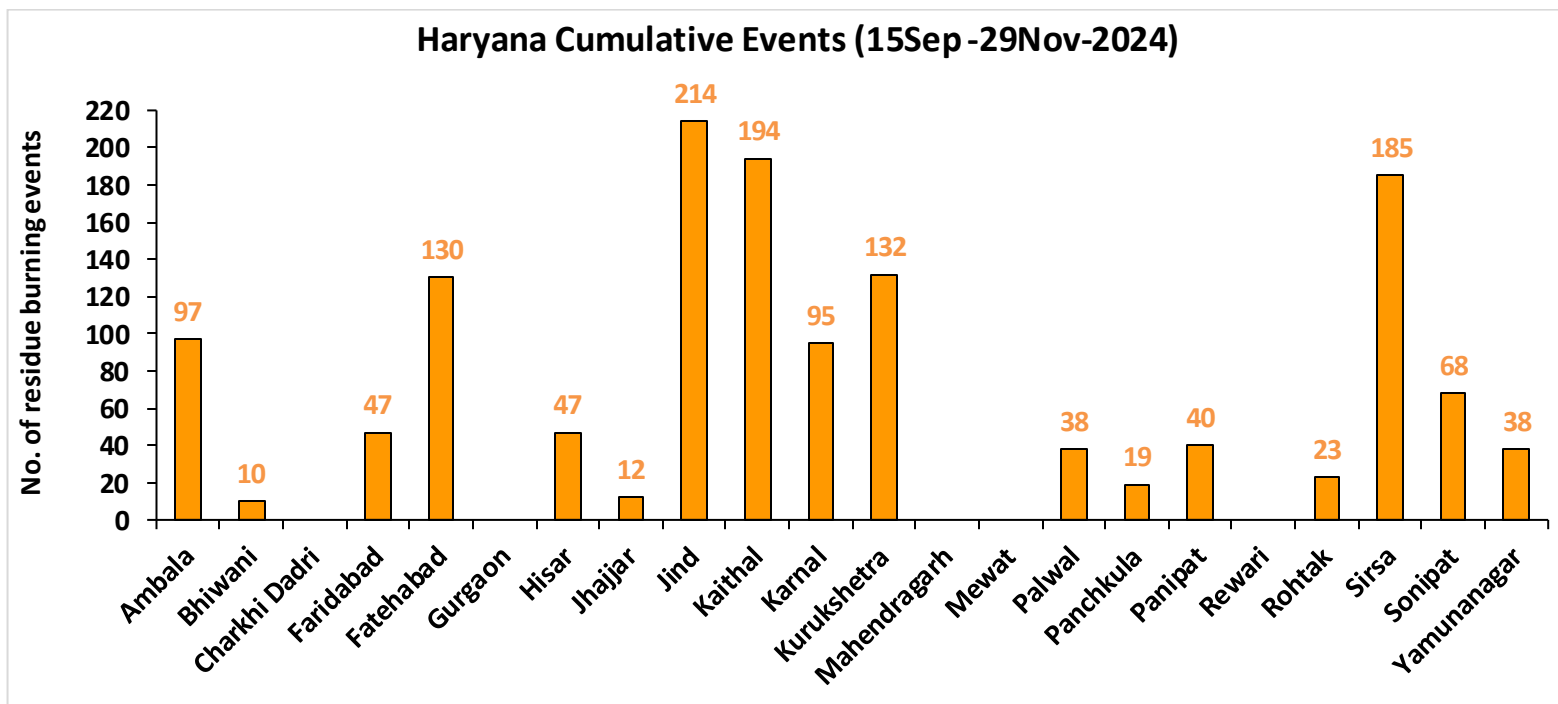
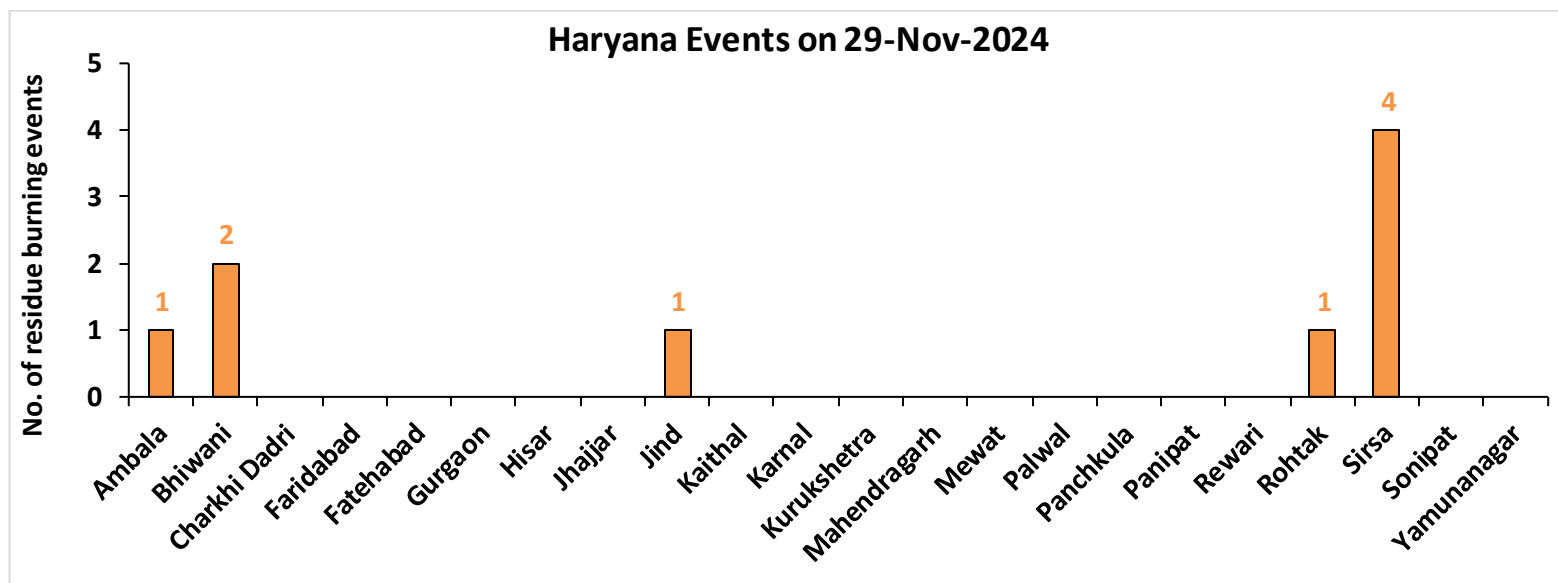
Fire Intensity (W/m²)

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



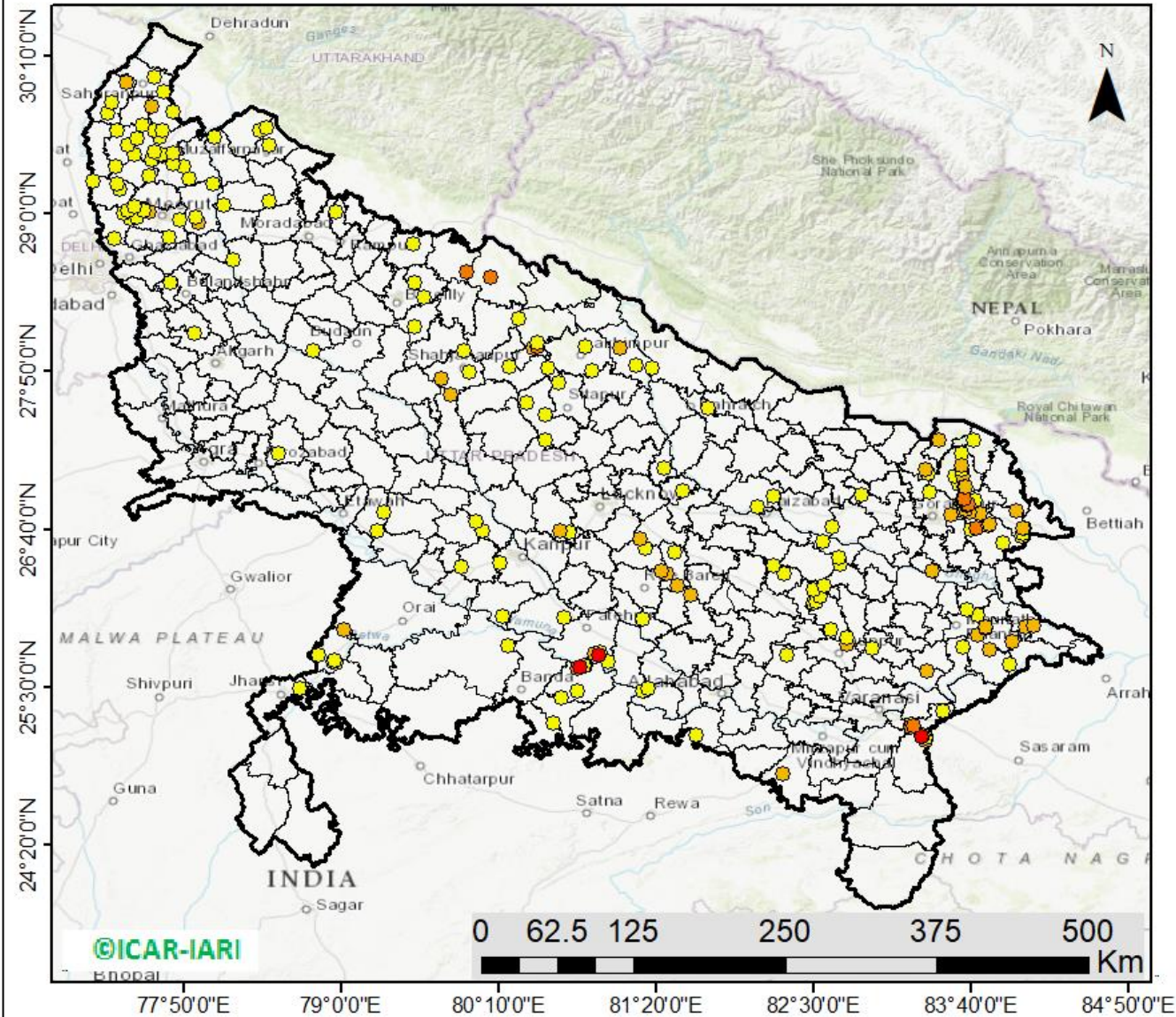
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District-wise cumulative number of residues burning events in Haryana (15Sep-29Nov-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



215 burning events detected in Uttar Pradesh on (29th Nov 2024)

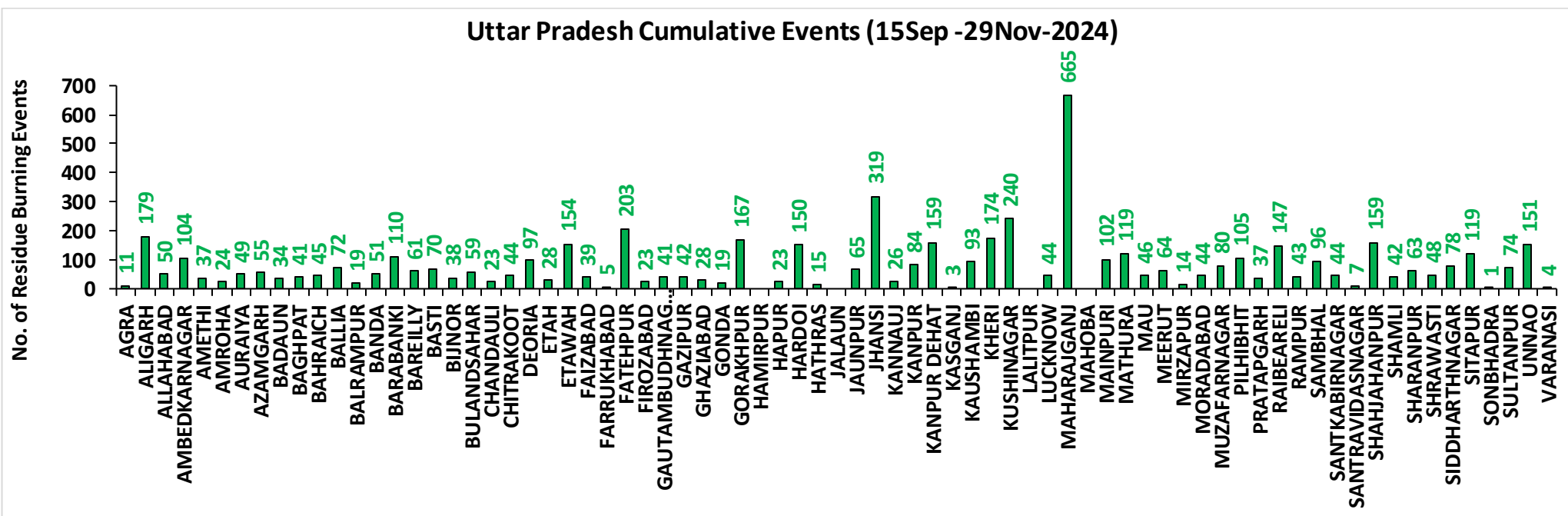
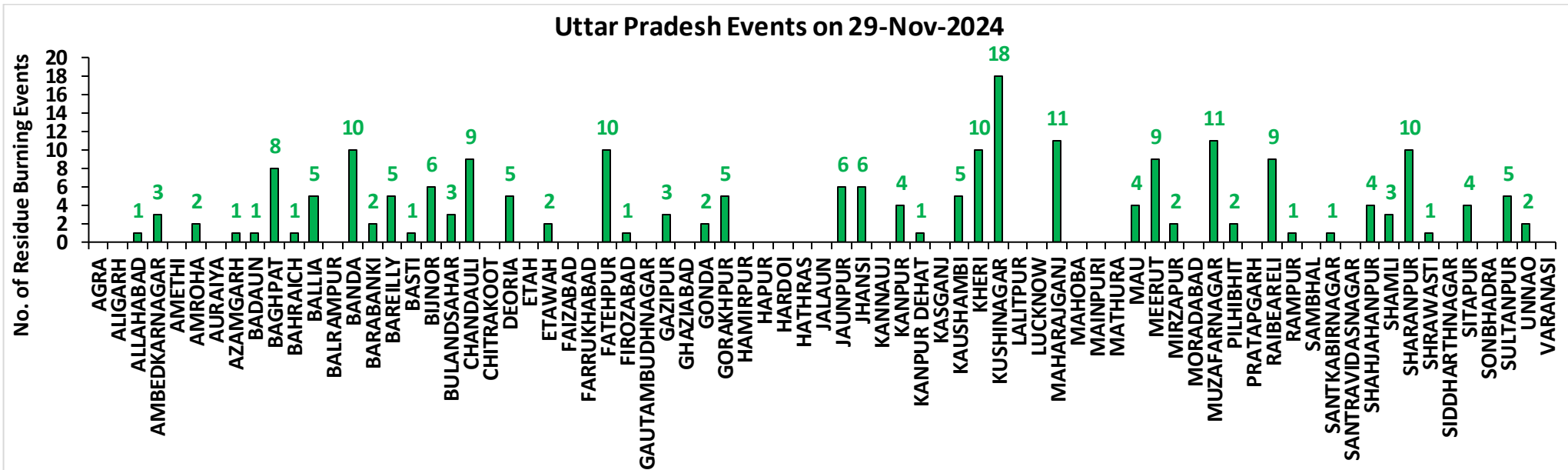
Fire Intensity (W/m²)

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



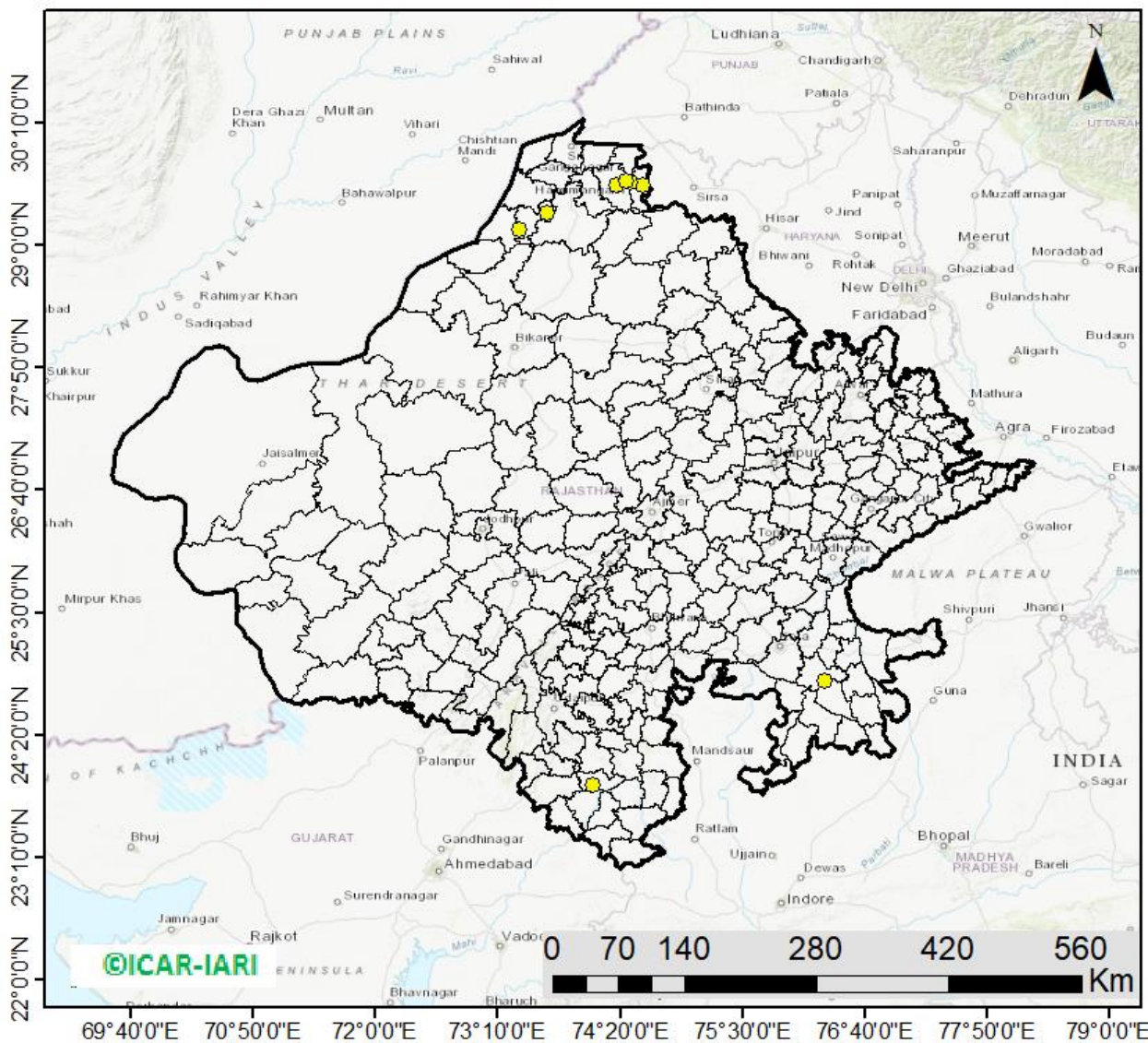
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-29Nov-2024)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



09 burning events
detected in Rajasthan on
(29th Nov 2024)

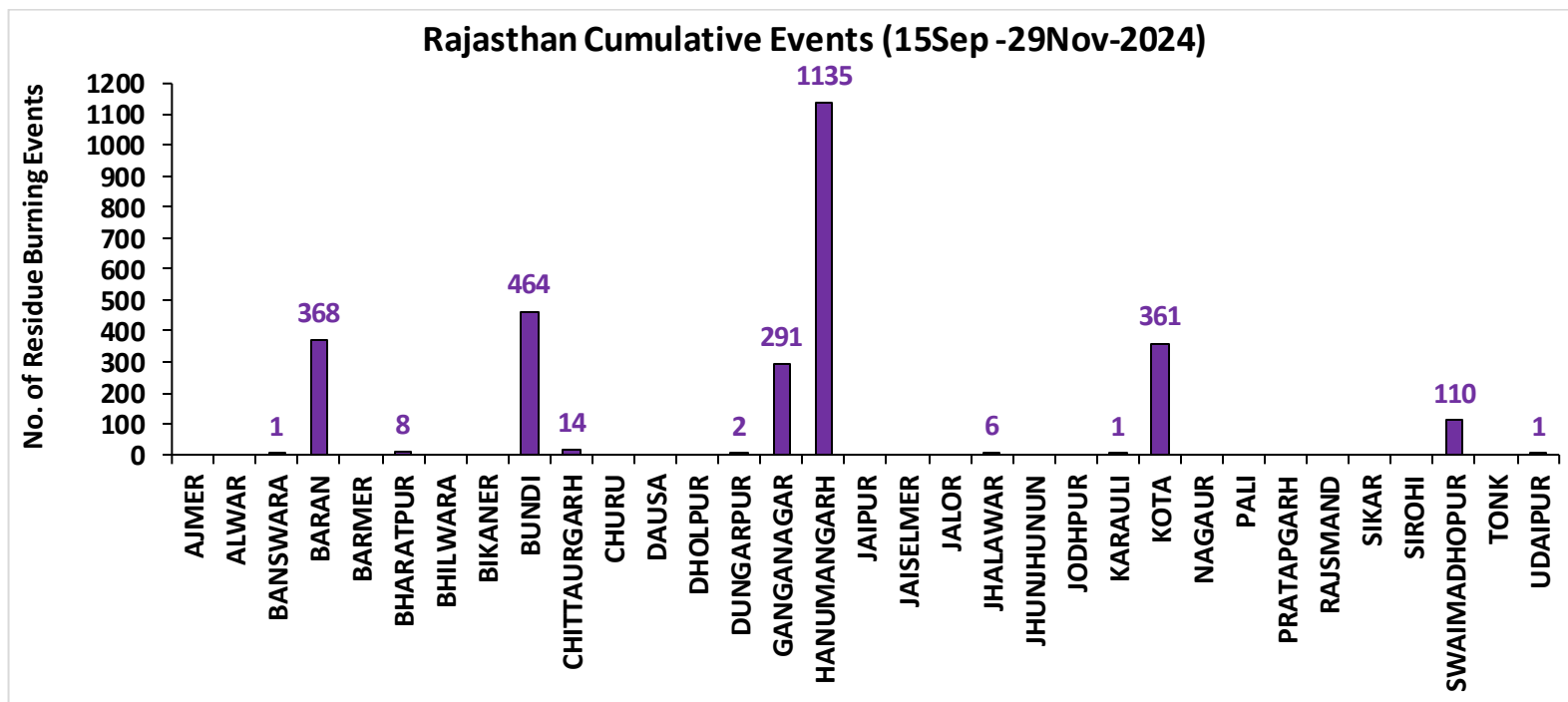
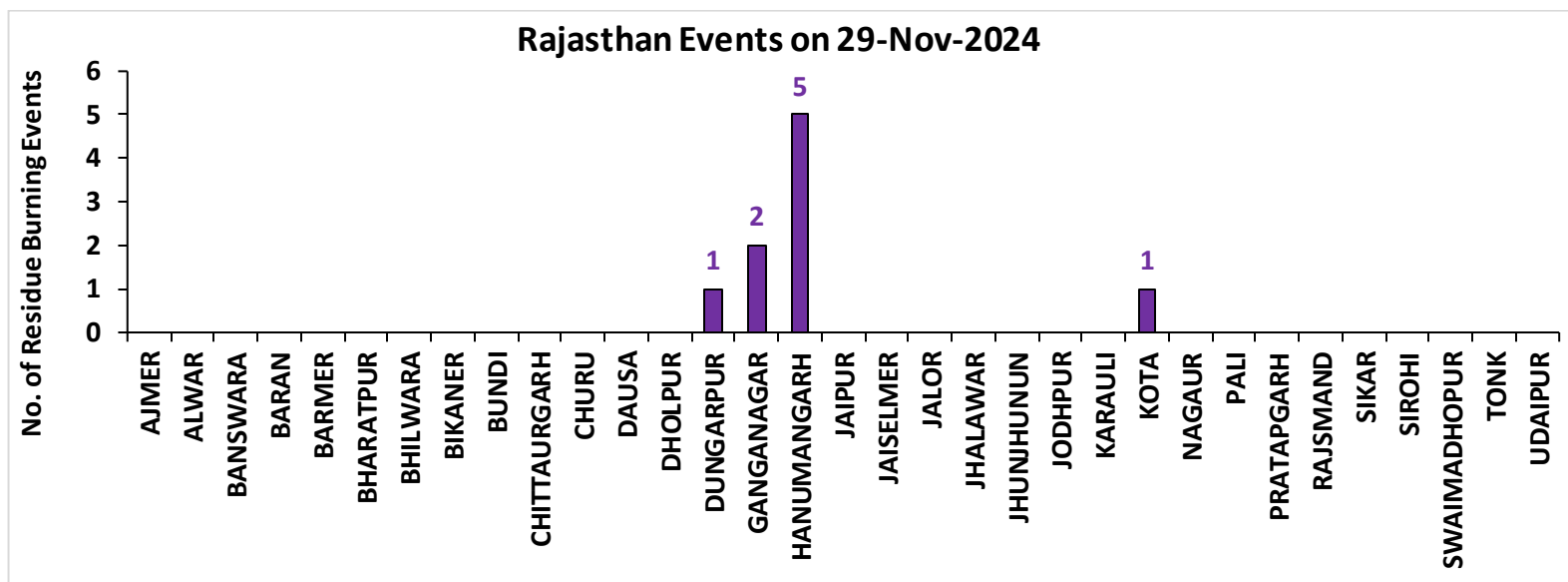
Fire Intensity (W/m²)

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



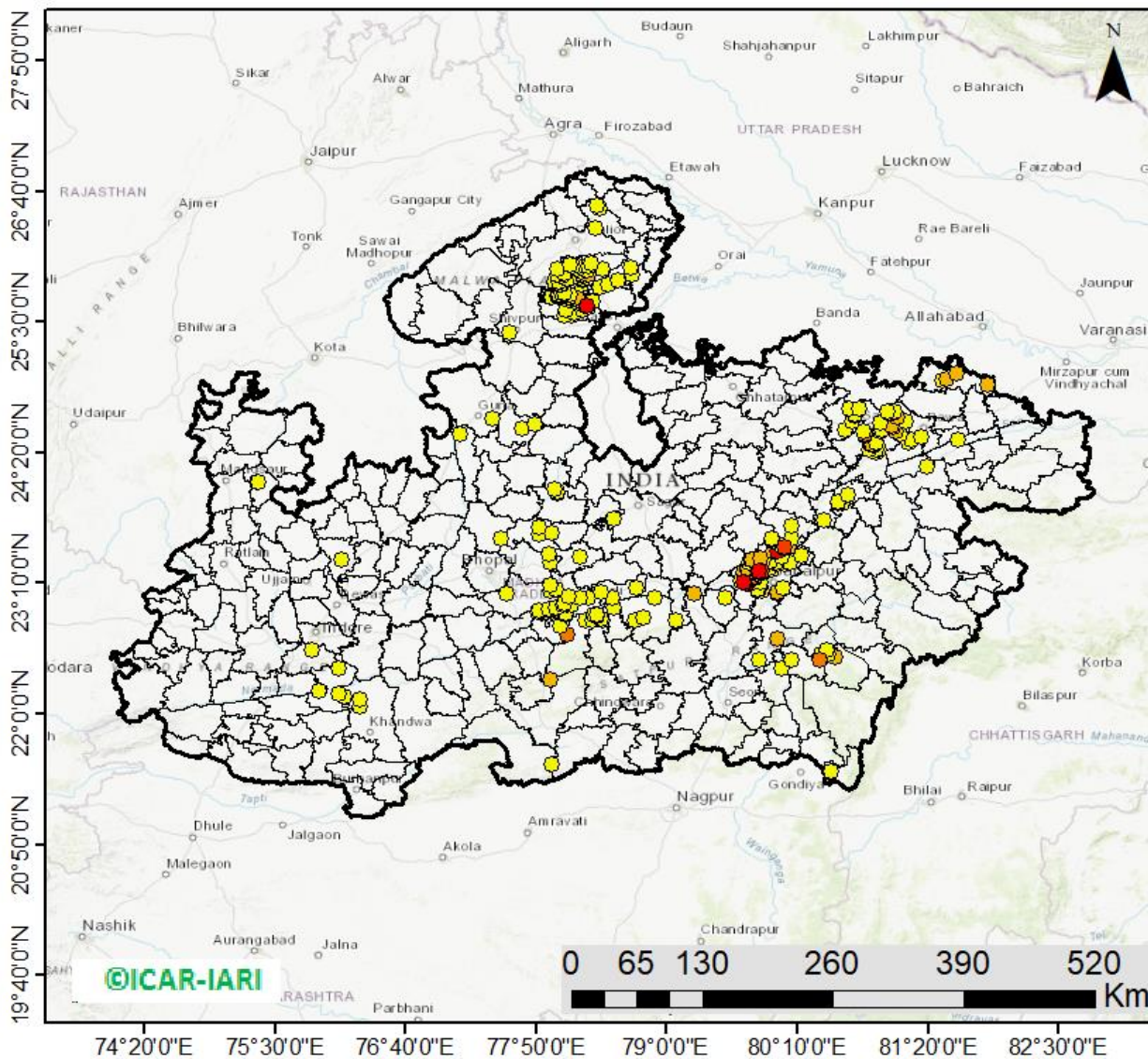
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Rajasthan (15Sep-29Nov-2024)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



311 burning events
detected in MP on
(29th Nov 2024)

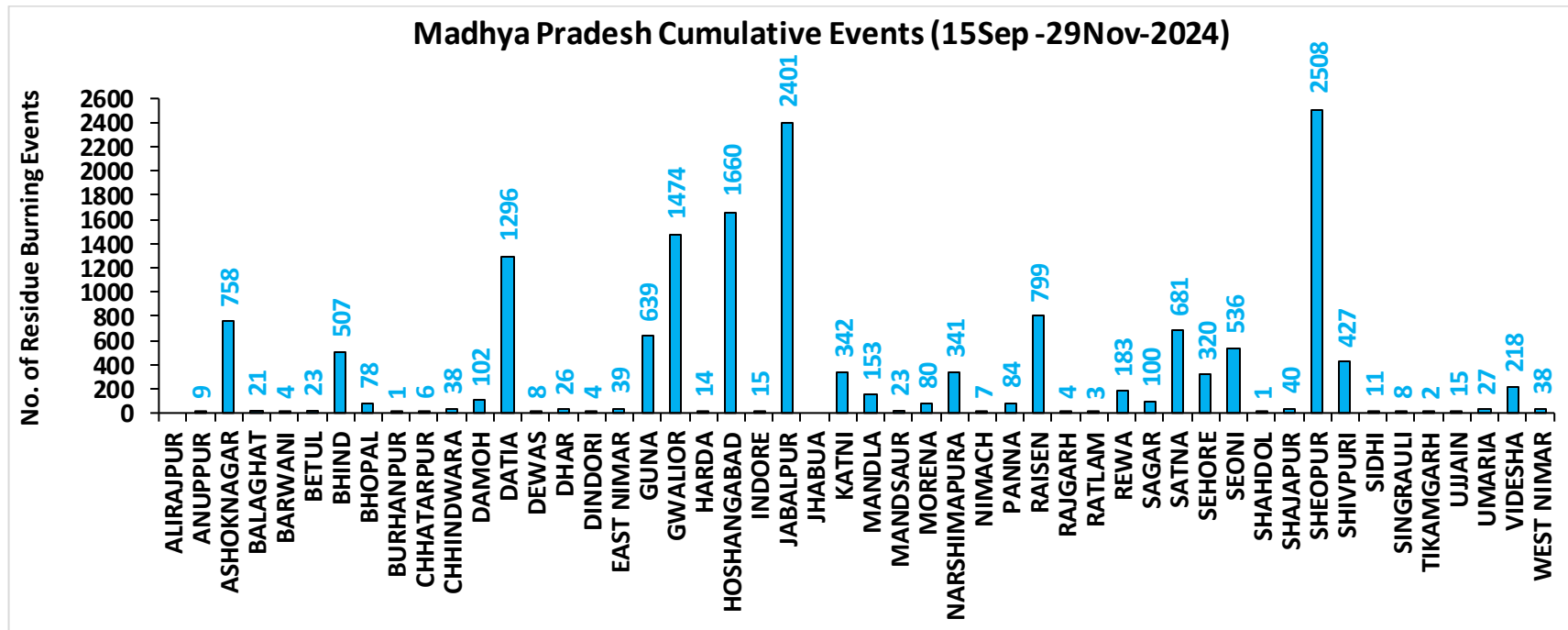
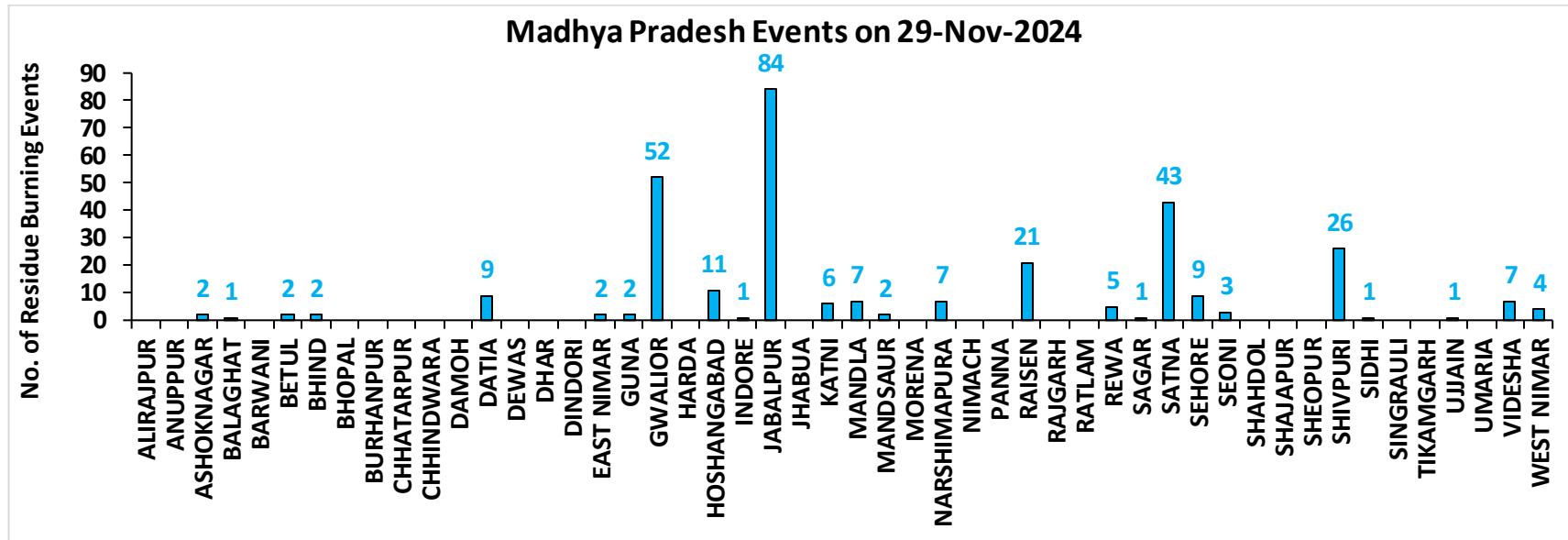
Fire Intensity (W/m²)

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



http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-29Nov-2024)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024
(Period: 15 September-29 November)

(a) Punjab

District	15 Sep-29 Nov				
	2020	2021	2022	2023	2024
Amritsar	3066	2174	1542	1573	735
Barnala	5342	4326	2910	2316	261
Bathinda	5238	4481	4592	2970	750
Faridkot	4734	3953	2693	2022	549
Fatehgarh Sahib	1536	1723	1149	888	233
Fazilka	2612	2389	2593	1847	394
Firozpur	8525	6289	4558	3398	1342
Gurdaspur	2130	1395	847	389	199
Hoshiarpur	387	331	258	118	29
Jalandhar	1949	2548	1387	1196	156
Kapurthala	1885	1797	1279	1048	353
Ludhiana	5062	5815	2681	1801	331
Malerkotla*	--	--	--	413	203
Mansa	3786	3217	2815	2267	617
Moga	7418	6515	3609	2795	690
Muktsar	5071	4598	3879	1666	814
Pathankot	13	6	1	4	3
Patiala	6433	5426	3395	1878	542
Rupnagar	205	307	246	46	10
Sangrur#	11726	9389	5916	5618	1725
SAS NAGAR (Mohali)	127	148	103	133	40
SBS Nagar	131	355	270	238	36
Tarn Taran	5605	4117	3184	2026	875
Total	82981	71299	49907	36650	10887

(b) Haryana

District	15 Sep-29 Nov				
	2020	2021	2022	2023	2024
AMBALA	346	307	224	195	97
BHIWANI	5	12	9	10	10
CHARKHI DADRI	0	0	1	2	0
FARIDABAD	1	3	1	6	47
FATEHABAD	878	1477	766	576	130
GURGAON	0	0	0	0	0
HISAR	56	241	115	111	47
JHAJJAR	6	7	8	20	12
JIND	346	915	531	343	214
KAITHAL	840	1155	641	262	194
KARNAL	591	955	300	126	95
KURUKSHETRA	406	538	301	154	132
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	46	115	51	57	38
PANCHKULA	0	0	0	1	19
PANIPAT	53	252	83	25	40
REWARI	0	0	0	0	0
ROHTAK	50	78	66	71	23
SIRSA	347	549	305	161	185
SONIPAT	71	218	91	78	68
YAMUNANAGAR	143	147	154	98	38
Total	4185	6969	3647	2296	1389

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

Sangrur events in 2023 and 2024 do not include Malerkotla events.

(c) Uttar Pradesh

District	15 Sep-29 Nov																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	16	19	11	14	41	MUZAFARNAGAR	60	40	27	35	80
AGRA	7	0	0	4	11	GAZIPUR	31	30	30	23	42	PILHIBHIT	31	223	150	116	105
ALIGARH	113	40	44	89	179	GHAZIABAD	28	17	11	30	28	PRATAPGARH	44	43	32	48	37
ALLAHABAD	44	46	18	22	50	GONDA	12	13	1	14	19	RAIBEARELI	46	104	54	94	147
AMBEDKARNAGAR	46	40	46	57	104	GORAKHPUR	46	38	44	143	167	RAMPUR	165	193	106	102	43
AMETHI	11	33	23	78	37	HAMIRPUR	6	0	0	0	0	SAMBHAL	21	21	14	19	96
AMROHA	21	10	8	5	24	HAPUR	42	21	14	17	23	SANTKABIRNAGAR	32	24	16	63	44
AURAIYA	103	81	66	77	49	HARDOI	111	119	81	105	150	SANTRAVIDASNAGAR	4	6	5	3	7
AZAMGARH	65	43	29	39	55	HATHRAS	0	0	2	3	15	SHAHJAHANPUR	154	423	322	131	159
BADAUN	15	19	9	11	34	JALAUN	50	0	0	0	0	SHAMLI	50	48	22	27	42
BAGHPAT	24	23	15	25	41	JAUNPUR	52	44	35	48	65	SHARANPUR	106	88	28	37	63
BAHRAICH	110	60	23	50	45	JHANSI	378	173	122	172	319	SHRAWASTI	48	45	18	59	48
BALLIA	161	85	57	40	72	KANNAUJ	33	6	8	8	26	SIDDHARTHANAGAR	76	140	44	172	78
BALRAMPUR	69	21	13	35	19	KANPUR	40	39	30	51	84	SITAPUR	79	56	39	66	119
BANDA	47	15	22	50	51	KANPUR DEHAT	98	53	63	145	159	SONBHADRA	0	2	0	0	1
BARABANKI	36	73	59	85	110	KASGANJ	3	2	3	4	3	SULTANPUR	14	40	31	55	74
BAREILLY	91	69	70	67	61	KAUSHAMBI	101	92	51	71	93	UNNAO	50	34	38	61	151
BASTI	58	53	21	95	70	KHERI	198	184	156	126	174	VARANASI	2	5	0	3	4
BIJNOR	53	53	18	20	38	KUSHINAGAR	87	61	55	139	240	Total	4425	4216	2837	3985	5769
BULANDSAHAR	69	15	25	28	59	LALITPUR	3	6	3	6	0						
CHANDAULI	39	24	11	5	23	LUCKNOW	35	34	16	44	44						
CHITRAKOOT	19	9	15	14	44	MAHARAJGANJ	58	209	183	224	665						
DEORIA	87	41	44	77	97	MAHOBA	27	0	0	0	0						
ETAH	17	10	8	21	28	MAINPURI	68	52	43	58	102						
ETAWAH	90	108	67	130	154	MATHURA	161	240	30	95	119						
FAIZABAD	16	13	8	28	39	MAU	42	23	13	30	46						
FARRUKHABAD	7	4	1	1	5	MEERUT	95	60	37	33	64						
FATEHPUR	132	108	102	103	203	MIRZAPUR	12	18	7	2	14						
FIROZABAD	27	17	10	10	23	MORADABAD	33	15	10	23	44						

(d) Delhi

District	15 Sep-29 Nov				
	2020	2021	2022	2023	2024
CENTRAL	0	0	0	0	0
EAST	0	0	0	0	0
NEW DELHI	0	0	0	0	0
NORTH	3	3	9	5	8
NORTH EAST	0	0	0	0	0
NORTH WEST DELHI	3	1	0	0	4
SHAHADRA	0	0	0	0	0
SOUTH	1	0	0	0	0
SOUTH EAST	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0
WEST DELHI	2	0	1	0	0
Total	9	4	10	5	12

(e) Rajasthan

District	15 Sep-29 Nov				
	2020	2021	2022	2023	2024
AJMER	3	0	0	0	0
ALWAR	10	0	0	0	0
BANSWARA	0	0	1	1	1
BARAN	167	13	77	339	368
BARMER	4	0	0	0	0
BHARATPUR	2	3	1	3	8
BHILWARA	11	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	128	87	180	213	464
CHITTAURGARH	5	13	8	16	14
CHURU	0	0	0	0	0
DAUSA	1	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	2	2	2
GANGANAGAR	225	142	104	153	291
HANUMANGARH	948	990	677	700	1135
JAIPUR	4	0	0	0	0
JAISELMER	5	0	0	0	0
JALOR	2	0	0	0	0
JHALAWAR	10	1	12	13	6
JHUNJHUNUN	1	0	0	0	0
JODHPUR	5	0	0	0	0
KARALI	1	0	0	0	1
KOTA	116	57	147	268	361
NAGPUR	4	0	0	0	0
PALI	12	0	0	0	0
PRATAPGARH	8	0	0	0	0
RAJSMAND	1	0	0	0	0
SIKAR	1	0	0	0	0
SIROHI	3	0	0	0	0
SWAIMADHOPUR	65	34	55	57	110
TONK	5	0	0	0	0
UDAIPUR	2	1	3	8	1
Total	1750	1341	1267	1773	2762

(f) Madhya Pradesh

District	15 Sep-29 Nov										
	2020	2021	2022	2023	2024	PANNA	50	23	39	48	84
ALIRAJPUR	0	0	0	0	0	RAISEN	615	361	460	407	799
ANUPPUR	3	2	6	3	9	RAJGARH	12	3	5	11	4
ASHOKNAGAR	156	90	188	278	758	RATLAM	10	7	3	6	3
BALAGHAT	9	6	4	4	21	REWA	138	120	97	95	183
BARWANI	6	0	0	3	4	SAGAR	28	31	55	92	100
BETUL	37	16	27	44	23	SATNA	576	526	483	394	681
BHIND	268	159	209	270	507	SEHORE	164	153	223	193	320
BHOPAL	52	40	43	50	78	SEONI	1233	894	1127	1438	536
BURHANPUR	16	3	5	10	1	SHAHDOL	3	1	3	2	1
CHHATARPUR	9	0	2	3	6	SHAJAPUR	22	0	0	20	40
CHHINDWARA	136	59	102	178	38	SHEOPUR	1861	1011	1800	1859	2508
DAMOH	75	53	70	100	102	SHIVPURI	393	112	286	301	427
DATIA	1188	498	860	915	1296	SIDHI	4	6	2	2	11
DEWAS	8	0	0	14	8	SINGRAULI	0	7	3	18	8
DHAR	47	0	0	45	26	TIKAMGARH	4	0	1	6	2
DINDORI	0	0	1	3	4	UJJAIN	18	0	0	18	15
EAST NIMAR	23	7	11	56	39	UMARIA	9	11	15	11	27
GUNA	70	12	124	468	639	VIDESHA	145	123	94	152	218
GWALIOR	2057	848	1581	1072	1474	WEST NIMAR	68	12	20	45	38
HARDA	14	21	11	31	14	Total	14107	8146	11586	12500	16074
HOSHANGABAD	1060	1067	1099	1181	1660						
INDORE	4	0	0	12	15						
JABALPUR	2656	1419	1898	1984	2401						
JHABUA	0	0	0	0	0						
KATNI	326	119	212	274	342						
MANDLA	152	118	146	97	153						
MANDSAUR	14	0	0	6	23						
MORENA	62	37	25	48	80						
NARSHIMAPURA	304	171	246	232	341						
NIMACH	2	0	0	1	7						

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023 and 2024
(Period: 15 September-29 November)

Number of Paddy Residue Burning Events Detected

Date	Punjab					Haryana					Uttar Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	5	0	14	0	11	2	0	0	1	1	1	0	0	0	0
16-Sep	0	2	0	6	0	1	0	0	1	0	0	0	0	2	0
17-Sep	5	0	1	0	5	3	0	0	0	1	0	0	0	0	1
18-Sep	17	9	7	0	2	0	0	1	0	0	0	1	0	0	0
19-Sep	30	5	18	0	0	2	0	0	1	0	0	1	0	0	0
20-Sep	67	8	10	0	13	6	0	0	2	1	2	0	0	0	0
21-Sep	54	0	56	1	21	2	0	0	2	13	1	0	0	1	2
22-Sep	34	0	30	0	11	1	0	0	2	18	1	0	0	0	0
23-Sep	49	0	3	1	6	0	0	0	3	12	1	0	0	0	0
24-Sep	78	5	0	0	12	0	0	0	0	6	1	1	0	1	0
25-Sep	184	11	0	0	12	11	0	0	1	18	5	0	0	1	0
26-Sep	190	19	0	3	5	5	0	0	2	5	8	0	0	0	0
27-Sep	78	37	0	21	0	8	0	0	9	5	4	1	0	0	3
28-Sep	55	28	0	33	0	6	1	0	8	0	1	6	0	4	0
29-Sep	63	64	0	68	21	9	4	0	17	0	6	10	0	6	0
30-Sep	116	27	8	81	10	22	2	0	26	1	13	13	10	18	0
01-Oct	165	13	45	123	26	15	4	1	21	3	7	13	3	17	0
02-Oct	141	0	83	119	16	30	2	7	24	20	12	0	36	7	9
03-Oct	110	9	75	105	8	8	6	8	17	6	4	3	29	8	7
04-Oct	162	23	65	95	9	29	2	7	29	9	8	0	2	9	0
05-Oct	161	18	130	98	5	17	3	24	24	8	14	2	0	14	1
06-Oct	171	42	85	91	3	30	0	26	19	23	12	1	0	18	17
07-Oct	197	72	62	32	18	32	11	6	13	14	41	13	0	5	11
08-Oct	95	108	19	92	20	29	27	0	55	13	25	11	0	27	16
09-Oct	121	114	3	58	33	20	39	1	14	10	15	20	0	13	10
10-Oct	232	150	4	10	123	33	95	2	28	38	9	54	0	34	56
11-Oct	377	64	45	26	143	90	51	0	21	55	23	28	0	50	87
12-Oct	388	97	104	13	177	69	51	4	5	98	46	23	0	5	102

13-Oct	266	132	120	154	162	47	91	15	29	90	36	42	0	19	76
14-Oct	605	229	82	89	97	69	98	30	41	49	9	68	5	18	52
15-Oct	449	660	169	69	144	106	363	36	127	42	15	149	0	35	78
16-Oct	654	429	206	0	99	80	176	76	4	14	21	121	6	14	59
17-Oct	1172	14	403	1	77	143	0	86	0	28	38	39	7	0	23
18-Oct	938	57	342	18	59	166	1	134	8	26	76	0	30	2	47
19-Oct	1080	496	436	37	45	72	55	122	16	15	43	5	36	11	30
20-Oct	890	788	96	174	52	62	155	78	51	11	31	1	17	25	11
21-Oct	1392	597	393	146	65	101	131	107	68	2	25	5	23	59	25
22-Oct	1665	1111	582	30	71	128	140	122	25	10	32	3	18	117	17
23-Oct	1438	620	902	152	57	106	218	217	29	15	84	8	109	20	68
24-Oct	911	0	1019	360	40	57	38	250	70	6	63	11	212	38	18
25-Oct	1416	76	181	398	71	155	71	12	58	3	50	18	9	30	23
26-Oct	2126	329	1238	589	108	77	175	123	67	11	33	41	23	78	16
27-Oct	2563	279	1111	766	138	96	93	83	67	13	40	58	23	97	27
28-Oct	3232	906	2067	127	142	139	149	123	14	13	87	35	34	36	28
29-Oct	1624	1353	1898	1068	219	52	161	112	75	13	139	32	73	48	72
30-Oct	3946	1373	1761	1030	110	100	148	112	52	3	50	53	43	19	47
31-Oct	3531	2895	2131	1389	484	108	353	70	51	42	49	170	20	28	79
01-Nov	3835	1796	1842	1921	587	151	124	88	99	35	74	157	9	95	67
02-Nov	4098	3001	3634	1668	379	111	203	166	48	19	82	87	25	37	87
03-Nov	2818	2512	2666	1551	216	93	197	128	28	19	197	66	40	36	16
04-Nov	4584	3032	2437	1360	262	72	228	63	33	13	152	123	61	17	84
05-Nov	4529	5327	2817	3230	361	66	331	90	109	9	52	70	24	64	122
06-Nov	5382	3942	599	2060	286	151	219	46	65	9	43	208	28	87	50
07-Nov	5491	5199	2487	1515	258	150	182	37	26	18	86	46	8	169	60
08-Nov	3674	4397	604	2003	730	115	138	11	44	29	169	21	44	47	55
09-Nov	1718	5079	1778	639	237	21	217	69	27	24	115	51	58	17	139
10-Nov	3127	4008	1893	6	345	80	184	35	0	22	101	77	33	30	128
11-Nov	2822	4156	3916	104	418	93	126	152	27	27	71	151	36	35	25
12-Nov	1989	3403	2467	987	83	83	127	99	110	12	108	120	36	238	83
13-Nov	2441	3742	2175	1624	509	105	210	132	44	4	172	95	102	176	139
14-Nov	307	2541	4	1776	5	35	195	17	21	11	258	49	101	26	202
15-Nov	32	1761	141	2544	238	31	129	21	62	20	29	67	84	49	186
16-Nov	8	1757	1358	1271	136	0	269	84	46	25	15	138	48	56	46
17-Nov	248	523	966	1150	404	9	101	39	45	2	38	177	50	168	200
18-Nov	670	680	701	637	1251	60	111	108	21	36	62	14	66	180	133

19-Nov	454	448	426	740	270	37	132	79	33	35	129	11	116	188	368
20-Nov	677	283	368	634	179	77	127	32	38	30	134	20	168	102	395
21-Nov	457	168	243	513	192	65	178	11	54	10	135	106	46	110	165
22-Nov	46	66	78	512	147	15	91	20	62	17	120	276	76	217	232
23-Nov	43	91	140	205	162	52	59	27	23	53	106	186	73	307	198
24-Nov	9	34	66	191	77	20	37	32	16	52	167	87	195	178	426
25-Nov	0	31	44	37	67	1	41	28	4	26	127	80	241	74	379
26-Nov	16	21	22	63	31	0	48	12	2	17	83	74	127	100	145
27-Nov	124	19	12	0	41	26	28	8	1	15	54	257	14	11	203
28-Nov	84	5	11	18	34	57	9	13	0	7	118	241	59	64	103
29-Nov	55	8	8	18	32	65	14	5	11	9	247	101	101	173	215
Total	82981	71299	49907	36650	10887	4185	6969	3647	2296	1389	4425	4216	2837	3985	5769

Number of Paddy Residue Burning Events Detected

Date	Delhi					Rajasthan					Madhya Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
16-Sep	0	0	0	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	0	0	1
18-Sep	0	0	0	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	0	0	1	0
20-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
21-Sep	0	0	0	0	0	1	0	1	0	0	2	0	0	0	1
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23-Sep	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0
26-Sep	0	0	0	1	0	1	0	0	0	0	2	0	0	0	2
27-Sep	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
29-Sep	0	0	0	0	0	3	0	0	6	0	0	4	0	5	0
30-Sep	1	0	0	0	0	1	0	0	4	2	5	0	0	11	0

01-Oct	0	0	0	0	0	4	1	1	4	1	13	0	1	8	3
02-Oct	1	0	0	0	0	7	0	3	4	3	12	0	1	1	0
03-Oct	0	0	0	0	0	9	0	2	5	0	5	1	5	5	2
04-Oct	0	0	0	0	0	15	0	0	22	0	4	2	0	12	0
05-Oct	0	0	2	0	0	14	0	1	11	2	13	1	0	18	2
06-Oct	1	0	0	0	0	16	0	0	9	1	37	1	0	7	12
07-Oct	0	0	0	0	0	14	1	1	7	4	31	1	0	9	17
08-Oct	0	0	0	0	0	11	0	0	9	1	17	2	0	18	7
09-Oct	0	0	0	0	0	12	0	0	17	1	15	4	0	24	2
10-Oct	0	0	0	0	3	14	1	0	26	3	18	10	0	52	1
11-Oct	0	0	0	1	0	21	7	1	21	6	32	2	0	24	17
12-Oct	0	0	0	0	2	24	1	2	1	13	44	1	1	1	5
13-Oct	0	0	0	0	1	7	5	2	28	10	21	2	7	32	5
14-Oct	0	0	0	0	1	16	1	1	15	20	15	11	1	26	7
15-Oct	0	0	0	0	0	9	8	2	34	23	8	27	2	66	11
16-Oct	1	0	0	0	1	12	2	4	18	100	23	13	2	51	112
17-Oct	0	0	0	0	0	26	0	4	12	16	63	1	11	31	51
18-Oct	0	0	1	0	3	37	2	12	11	30	88	0	15	13	71
19-Oct	0	0	0	0	0	27	5	12	31	25	49	1	12	65	46
20-Oct	0	0	0	0	0	26	4	4	57	11	9	21	7	131	24
21-Oct	2	0	0	0	0	32	2	6	34	21	112	30	18	147	53
22-Oct	0	0	0	0	0	29	5	12	57	36	183	29	31	119	93
23-Oct	1	0	0	0	0	23	7	20	29	50	204	32	70	89	194
24-Oct	0	0	2	0	0	20	4	7	38	11	150	34	26	132	32
25-Oct	1	0	0	0	0	18	2	4	47	49	144	60	0	159	94
26-Oct	0	0	0	0	1	34	3	21	59	54	178	55	57	320	170
27-Oct	0	0	0	0	0	42	1	21	73	60	294	62	38	256	130
28-Oct	0	0	0	0	0	45	4	46	12	65	537	110	143	202	160
29-Oct	0	0	0	0	0	29	23	37	73	93	349	97	151	372	175
30-Oct	0	0	0	0	0	17	20	55	37	89	428	168	119	224	131
31-Oct	0	0	0	0	0	37	15	36	33	85	455	299	112	360	145
01-Nov	0	0	1	0	0	51	5	27	60	68	709	198	142	509	226
02-Nov	0	0	0	0	0	55	19	63	40	80	820	214	284	401	296
03-Nov	1	0	1	0	0	34	20	54	38	36	771	148	323	552	67
04-Nov	0	0	2	0	0	46	19	34	21	98	618	123	348	408	506
05-Nov	0	0	0	0	0	46	45	91	59	90	474	320	319	698	502
06-Nov	0	0	0	0	0	40	32	27	47	72	678	248	392	655	320

07-Nov	0	0	0	1	0	57	38	80	23	68	848	199	383	497	320
08-Nov	0	0	0	1	0	33	44	5	29	119	981	170	783	417	474
09-Nov	0	1	0	0	0	34	48	22	3	57	495	330	570	251	544
10-Nov	0	0	0	0	0	48	40	34	27	79	346	380	282	508	783
11-Nov	0	1	0	0	0	75	55	95	29	85	418	506	482	488	595
12-Nov	0	0	0	0	0	31	40	84	33	42	422	185	421	300	694
13-Nov	0	2	0	0	0	54	78	63	60	96	670	171	773	144	1124
14-Nov	0	0	0	0	0	16	88	1	53	28	294	346	633	164	686
15-Nov	0	0	0	0	0	6	51	2	84	37	35	353	507	326	683
16-Nov	0	0	0	0	0	16	81	78	27	52	145	660	316	423	480
17-Nov	0	0	0	1	0	60	38	48	45	65	191	261	416	465	663
18-Nov	0	0	0	0	0	75	77	55	25	152	352	126	524	363	639
19-Nov	0	0	0	0	0	27	73	19	37	57	124	16	625	187	664
20-Nov	0	0	0	0	0	59	53	15	40	87	106	6	556	208	593
21-Nov	0	0	0	0	0	57	72	12	51	85	159	95	196	267	274
22-Nov	0	0	0	0	0	9	21	4	52	80	165	188	170	510	396
23-Nov	0	0	0	0	0	66	61	10	24	101	150	262	259	263	487
24-Nov	0	0	1	0	0	13	26	14	2	37	258	224	299	253	697
25-Nov	0	0	0	0	0	2	30	7	16	31	106	343	315	228	526
26-Nov	0	0	0	0	0	0	11	2	0	19	48	318	198	4	242
27-Nov	0	0	0	0	0	16	33	2	0	24	39	416	57	0	220
28-Nov	0	0	0	0	0	24	12	1	3	20	38	163	109	5	282
29-Nov	0	0	0	0	0	44	7	0	1	9	83	95	74	11	311
Total	9	4	10	5	12	1750	1341	1267	1773	2762	14107	8146	11586	12500	16074

Details of residue burning events in Punjab on 29-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	TARSIKKA	S-NPP	31.69008	75.18686	13:28:17	D	2.80
2	BARNALA	SEHNA	S-NPP	30.50701	75.29076	13:28:17	D	2.50
3	BATHINDA	MAUR	S-NPP	29.98597	75.25222	13:28:17	D	1.30
4	BATHINDA	PHUL	S-NPP	30.27792	75.16818	13:28:17	D	2.40
5	FARIDKOT	JAITON	S-NPP	30.40300	74.96994	13:28:17	D	2.50
6	FARIDKOT	JAITON	S-NPP	30.41591	74.83946	13:28:17	D	2.60
7	FARIDKOT	KOT KAPURA	S-NPP	30.53636	74.85165	13:28:17	D	8.20
8	FAZILKA	GURUHAR SAHAI	S-NPP	30.65494	74.27991	13:28:17	D	9.30
9	FAZILKA	JALALABAD	S-NPP	30.48018	74.32939	13:28:17	D	2.90
10	FAZILKA	JALALABAD	S-NPP	30.48084	74.33346	13:28:17	D	3.20
11	FAZILKA	JALALABAD	S-NPP	30.52016	74.32074	13:28:17	D	3.00
12	FAZILKA	JALALABAD	S-NPP	30.61963	74.15606	13:28:17	D	6.80
13	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72643	74.44530	13:28:17	D	2.30
14	JALANDHAR	PHILLAUR	S-NPP	31.11757	75.88234	13:28:17	D	3.90
15	JALANDHAR	PHILLAUR	S-NPP	31.14290	75.82335	13:28:17	D	4.40
16	LUDHIANA	MACHHIWARA	S-NPP	30.85742	76.11071	13:28:17	D	2.20
17	LUDHIANA	PAKHOWAL	S-NPP	30.74525	75.76505	13:28:17	D	2.40
18	LUDHIANA	PAKHOWAL	S-NPP	30.74856	75.76439	13:28:17	D	2.40
19	LUDHIANA	RAIKOT	S-NPP	30.62791	75.59093	13:28:17	D	5.60
20	LUDHIANA	RAIKOT	S-NPP	30.63038	75.59064	13:28:17	D	3.60
21	LUDHIANA	RAIKOT	S-NPP	30.70872	75.54591	13:28:17	D	4.50
22	MANSA	BHIKHI	S-NPP	30.16183	75.46637	13:28:17	D	2.40
23	MANSA	SARDULGARH	S-NPP	29.70942	75.24221	13:28:17	D	2.10
24	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.39862	74.60209	13:28:17	D	3.50
25	MUKTSAR	MALOUT	S-NPP	30.23145	74.50672	13:28:17	D	2.00
26	MUKTSAR	MALOUT	S-NPP	30.26202	74.45099	13:28:17	D	1.70
27	MUKTSAR	MUKTSAR	S-NPP	30.51192	74.41922	13:28:17	D	1.90
28	PATIALA	NABHA	S-NPP	30.47471	76.31209	13:28:17	D	4.50
29	SANGRUR	SUNAM	S-NPP	30.12403	75.68688	13:28:17	D	1.40
30	SBS NAGAR	AUR	S-NPP	31.09953	75.91474	13:28:17	D	0.90
31	TARN TARAN	CHOHLA SAHIB	S-NPP	31.20582	74.99128	13:28:17	D	1.90
32	TARN TARAN	GANDIWIND TATLA	S-NPP	31.43492	74.71950	13:28:17	D	4.70

Details of residue burning events in Haryana on 29-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AMBALA	SHAHZADPUR	S-NPP	30.45435	76.94538	13:28:17	D	4.80
2	BHIWANI	BAWANI KHERA	S-NPP	28.94740	76.11929	13:28:17	D	2.80
3	BHIWANI	BHIWANI	S-NPP	28.89466	76.19827	13:28:17	D	1.50
4	JIND	JIND	S-NPP	29.33474	76.47117	13:28:17	D	2.00
5	ROHTAK	KALANAUR	S-NPP	28.82294	76.46649	13:28:17	D	2.20
6	SIRSA	ELLENABAD	S-NPP	29.50178	74.76208	13:28:17	D	6.00
7	SIRSA	NATHUSARI CHOPTA	S-NPP	29.51982	75.26551	02:18:17	N	0.60
8	SIRSA	SIRSA	S-NPP	29.53979	75.11903	02:18:17	N	0.50
9	SIRSA	SIRSA	S-NPP	29.58480	75.07142	02:18:17	N	0.40

Details of residue burning events in Uttar Pradesh on 29-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ALLAHABAD	BARA	S-NPP	25.14437	81.62839	13:28:17	D	4.80
2	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.40750	82.69472	13:28:17	D	3.00
3	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.45340	82.68853	13:28:17	D	4.30
4	AMBEDKARNAGAR	TANDA	S-NPP	26.57220	82.56709	13:28:17	D	1.80
5	AMROHA	DHANAURA	S-NPP	29.06223	78.13211	13:28:17	D	1.60
6	AMROHA	HASANPUR	S-NPP	28.66213	78.20734	13:28:17	D	3.40
7	AZAMGARH	LALGANJ	S-NPP	25.78842	82.93182	13:28:17	D	3.80
8	BADAUN	SAHASWAN	S-NPP	27.99124	78.80020	13:28:17	D	3.00
9	BAGHPAT	BAGHPAT	S-NPP	28.82108	77.32751	13:28:17	D	3.80
10	BAGHPAT	BAGHPAT	S-NPP	28.96750	77.44346	13:28:17	D	2.00
11	BAGHPAT	BAGHPAT	S-NPP	29.00489	77.39077	13:28:17	D	3.50
12	BAGHPAT	BARAUT	S-NPP	29.02688	77.42427	13:28:17	D	2.20
13	BAGHPAT	BARAUT	S-NPP	29.18249	77.36327	13:28:17	D	1.90
14	BAGHPAT	BARAUT	S-NPP	29.22109	77.34366	13:28:17	D	2.20
15	BAGHPAT	BARAUT	S-NPP	29.23702	77.16595	13:28:17	D	2.30
16	BAGHPAT	BARAUT	S-NPP	29.23880	77.16674	13:28:17	D	3.00
17	BAHRAICH	NANPARA	S-NPP	27.85670	81.30647	13:28:17	D	1.90

18	BALLIA	BALLIA	S-NPP	25.66220	83.95087	13:28:17	D	2.60
19	BALLIA	BANSDIH	AQUA	25.95100	84.12500	13:45:58	D	10.00
20	BALLIA	BELTHARA ROAD	S-NPP	26.03200	83.71694	13:28:17	D	3.30
21	BALLIA	RASRA	S-NPP	25.83235	83.97390	13:28:17	D	6.30
22	BALLIA	SIKANDARPUR	S-NPP	25.93913	84.06769	13:28:17	D	5.40
23	BANDA	ATARRA	S-NPP	25.23183	80.57007	02:18:17	N	0.40
24	BANDA	ATARRA	S-NPP	25.32982	80.64935	02:18:17	N	0.30
25	BANDA	ATARRA	S-NPP	25.42035	80.63450	13:28:17	D	2.60
26	BANDA	BABERU	S-NPP	25.46836	80.75228	02:18:17	N	0.60
27	BANDA	BABERU	S-NPP	25.64574	80.77915	13:28:17	D	8.20
28	BANDA	BABERU	S-NPP	25.65676	80.80711	13:28:17	D	3.90
29	BANDA	BABERU	S-NPP	25.65987	80.80169	13:28:17	D	3.90
30	BANDA	BABERU	AQUA	25.63900	80.75300	13:45:58	D	13.90
31	BANDA	BABERU	AQUA	25.64200	80.77300	13:45:58	D	27.30
32	BANDA	BANDA	S-NPP	25.80027	80.23979	13:28:17	D	4.00
33	BARABANKI	RAMNAGAR	S-NPP	27.12121	81.39446	13:28:17	D	3.20
34	BARABANKI	SIRAULI GAUSPUR	S-NPP	26.95056	81.52926	13:28:17	D	3.40
35	BAREILLY	BAHERI	S-NPP	28.77613	79.53493	13:28:17	D	3.30
36	BAREILLY	FARIDPUR	S-NPP	28.16610	79.54398	13:28:17	D	4.60
37	BAREILLY	NAWABGANJ	S-NPP	28.38575	79.61473	13:28:17	D	1.90
38	BAREILLY	NAWABGANJ	S-NPP	28.38637	79.61613	13:28:17	D	3.80
39	BAREILLY	NAWABGANJ	S-NPP	28.48929	79.54860	13:28:17	D	3.40
40	BASTI	BASTI	S-NPP	26.68740	82.64197	13:28:17	D	2.50
41	BIJNOR	BIJNOR	S-NPP	29.56565	78.06910	13:28:17	D	2.30
42	BIJNOR	CHANDPUR	S-NPP	29.09584	78.47234	13:28:17	D	2.20
43	BIJNOR	CHANDPUR	S-NPP	29.09702	78.47292	13:28:17	D	3.40
44	BIJNOR	NAGINA	S-NPP	29.51202	78.46775	13:28:17	D	1.60
45	BIJNOR	NAGINA	S-NPP	29.63639	78.45287	13:28:17	D	2.50
46	BIJNOR	NAJIBABAD	S-NPP	29.62058	78.39597	13:28:17	D	1.60
47	BULANSAHAR	KHURJA	S-NPP	28.11784	77.91725	13:28:17	D	3.10
48	BULANSAHAR	SIKANDARABAD	S-NPP	28.48993	77.73970	02:18:17	N	0.90
49	BULANSAHAR	SIKANDARABAD	S-NPP	28.49344	77.74051	02:18:17	N	1.70
50	CHANDAULI	CHAKIA	S-NPP	25.10185	83.33040	13:28:17	D	6.60
51	CHANDAULI	CHAKIA	S-NPP	25.12318	83.32761	13:28:17	D	3.00
52	CHANDAULI	CHAKIA	S-NPP	25.13783	83.30358	13:28:17	D	6.80
53	CHANDAULI	CHAKIA	S-NPP	25.13831	83.30794	13:28:17	D	7.20

54	CHANDAULI	CHAKIA	AQUA	25.13600	83.30200	13:45:58	D	35.00
55	CHANDAULI	CHANDAULI	S-NPP	25.21819	83.22318	13:28:17	D	3.20
56	CHANDAULI	CHANDAULI	S-NPP	25.31983	83.45298	13:28:17	D	4.30
57	CHANDAULI	CHANDAULI	AQUA	25.20400	83.22300	13:45:58	D	13.00
58	CHANDAULI	CHANDAULI	AQUA	25.20700	83.23600	13:45:58	D	10.80
59	DEORIA	DEORIA	S-NPP	26.56537	83.90251	13:28:17	D	3.00
60	DEORIA	DEORIA	S-NPP	26.66605	83.66775	13:28:17	D	1.80
61	DEORIA	DEORIA	S-NPP	26.67010	83.70663	13:28:17	D	11.70
62	DEORIA	DEORIA	S-NPP	26.68824	83.79382	13:28:17	D	4.50
63	DEORIA	DEORIA	S-NPP	26.70774	83.80645	13:28:17	D	5.60
64	ETAWAH	BHARTHNA	S-NPP	26.64919	79.26613	13:28:17	D	2.90
65	ETAWAH	BHARTHNA	S-NPP	26.78931	79.32014	13:28:17	D	1.00
66	FATEHPUR	FATEHPUR	S-NPP	25.74343	80.89354	13:28:17	D	2.80
67	FATEHPUR	FATEHPUR	S-NPP	25.74442	80.89522	13:28:17	D	5.20
68	FATEHPUR	FATEHPUR	S-NPP	25.74529	80.87825	13:28:17	D	5.50
69	FATEHPUR	FATEHPUR	S-NPP	25.75030	80.91757	13:28:17	D	3.10
70	FATEHPUR	FATEHPUR	S-NPP	25.75115	80.91930	13:28:17	D	4.80
71	FATEHPUR	FATEHPUR	S-NPP	25.75466	80.92194	13:28:17	D	4.80
72	FATEHPUR	FATEHPUR	S-NPP	25.75549	80.92367	13:28:17	D	4.80
73	FATEHPUR	FATEHPUR	S-NPP	26.00891	80.65637	13:28:17	D	3.90
74	FATEHPUR	FATEHPUR	AQUA	25.73700	80.90900	13:45:58	D	22.70
75	FATEHPUR	KHAGA	S-NPP	25.68229	80.98312	13:28:17	D	2.90
76	FIROZABAD	JASRANA	S-NPP	27.22927	78.53869	13:28:17	D	4.00
77	GAZIPUR	GAZIPUR	S-NPP	25.79848	83.60999	13:28:17	D	2.60
78	GAZIPUR	JAKHANIA	S-NPP	25.61407	83.33571	13:28:17	D	5.90
79	GAZIPUR	MUHAMMADBAD	AQUA	25.77100	83.79900	13:45:58	D	7.40
80	GONDA	TARABGANJ	S-NPP	26.83305	82.08121	13:28:17	D	2.90
81	GONDA	TARABGANJ	S-NPP	26.91250	82.19939	13:28:17	D	3.70
82	GORAKHPUR	CAMPIERGANJ	S-NPP	26.93540	83.35896	13:28:17	D	3.50
83	GORAKHPUR	CAMPIERGANJ	S-NPP	27.08091	83.34680	13:28:17	D	2.60
84	GORAKHPUR	GOLA	S-NPP	26.35497	83.37730	13:28:17	D	7.60
85	GORAKHPUR	GOLA	S-NPP	26.35559	83.37415	13:28:17	D	8.70
86	GORAKHPUR	GORAKHPUR	AQUA	26.77500	83.51500	13:45:58	D	6.30
87	JAUNPUR	JAUNPUR	S-NPP	25.81075	82.75024	13:28:17	D	6.00
88	JAUNPUR	MACHHALI SAHAR	S-NPP	25.73824	82.30579	02:18:17	N	0.60
89	JAUNPUR	SHHGANJ	S-NPP	25.86231	82.74381	13:28:17	D	2.90

90	JAUNPUR	SHHGANJ	S-NPP	25.92540	82.63079	13:28:17	D	2.60
91	JAUNPUR	SHHGANJ	S-NPP	26.12026	82.50138	13:28:17	D	2.80
92	JAUNPUR	SHHGANJ	S-NPP	26.13491	82.51998	13:28:17	D	3.20
93	JHANSI	JHANSI	S-NPP	25.48708	78.69970	13:28:17	D	3.90
94	JHANSI	MOTH	S-NPP	25.68002	78.95913	13:28:17	D	3.70
95	JHANSI	MOTH	S-NPP	25.68803	78.94099	13:28:17	D	2.20
96	JHANSI	MOTH	S-NPP	25.69374	78.95684	13:28:17	D	3.70
97	JHANSI	MOTH	S-NPP	25.73585	78.83767	13:28:17	D	3.00
98	JHANSI	MOTH	S-NPP	25.92197	79.02205	13:28:17	D	6.70
99	KANPUR	BILHAUR	S-NPP	26.65088	80.04886	13:28:17	D	2.40
100	KANPUR	BILHAUR	S-NPP	26.71845	79.99711	13:28:17	D	3.70
101	KANPUR	GHATAMPUR	S-NPP	26.01754	80.20018	13:28:17	D	2.00
102	KANPUR	KANPUR NAGAR	S-NPP	26.41160	80.17825	13:28:17	D	4.90
103	KANPUR DEHAT	AKBARPUR	S-NPP	26.38223	79.88795	13:28:17	D	3.40
104	KAUSHAMBI	MANJHANPUR	S-NPP	25.46882	81.24529	13:28:17	D	4.00
105	KAUSHAMBI	MANJHANPUR	S-NPP	25.46891	81.24196	13:28:17	D	2.60
106	KAUSHAMBI	MANJHANPUR	S-NPP	25.47139	81.23458	13:28:17	D	2.70
107	KAUSHAMBI	MANJHANPUR	S-NPP	25.47206	81.23634	13:28:17	D	3.10
108	KAUSHAMBI	MANJHANPUR	S-NPP	25.48447	81.27919	13:28:17	D	1.70
109	KHERI	DHAURAHRA	S-NPP	27.88229	81.18489	13:28:17	D	1.80
110	KHERI	DHAURAHRA	S-NPP	28.00717	81.06953	13:28:17	D	6.50
111	KHERI	GOLA	S-NPP	28.00546	80.42357	13:28:17	D	7.10
112	KHERI	GOLA	S-NPP	28.01665	80.45271	13:28:17	D	11.00
113	KHERI	GOLA	S-NPP	28.04786	80.45820	13:28:17	D	2.70
114	KHERI	GOLA	S-NPP	28.22158	80.31996	02:18:17	N	0.40
115	KHERI	LAKHIMPUR	S-NPP	27.84024	80.86326	13:28:17	D	3.60
116	KHERI	LAKHIMPUR	S-NPP	27.85818	80.53645	13:28:17	D	3.00
117	KHERI	LAKHIMPUR	S-NPP	28.01788	80.81517	13:28:17	D	4.30
118	KHERI	MOHMADI	S-NPP	27.87072	80.24274	02:18:17	N	1.90
119	KUSHINAGAR	HATA	S-NPP	26.80028	83.60152	13:28:17	D	2.90
120	KUSHINAGAR	HATA	S-NPP	26.83726	83.65585	13:28:17	D	4.70
121	KUSHINAGAR	HATA	S-NPP	26.84517	83.64500	13:28:17	D	2.20
122	KUSHINAGAR	HATA	S-NPP	26.86836	83.60764	13:28:17	D	4.00
123	KUSHINAGAR	HATA	S-NPP	26.88191	83.69482	13:28:17	D	2.80
124	KUSHINAGAR	HATA	AQUA	26.78200	83.73500	13:45:58	D	9.00
125	KUSHINAGAR	HATA	AQUA	26.78900	83.65600	13:45:58	D	6.40

126	KUSHINAGAR	HATA	AQUA	26.81400	83.62500	13:45:58	D	7.30
127	KUSHINAGAR	HATA	AQUA	26.84600	83.63100	13:45:58	D	8.20
128	KUSHINAGAR	HATA	AQUA	26.84800	83.63800	13:45:58	D	18.70
129	KUSHINAGAR	HATA	AQUA	26.84800	83.64400	13:45:58	D	13.20
130	KUSHINAGAR	HATA	AQUA	26.89200	83.60200	13:45:58	D	7.80
131	KUSHINAGAR	HATA	AQUA	26.89400	83.61500	13:45:58	D	10.40
132	KUSHINAGAR	KASAYA	S-NPP	26.61208	84.04498	13:28:17	D	2.50
133	KUSHINAGAR	KASAYA	S-NPP	26.63537	84.04733	13:28:17	D	3.50
134	KUSHINAGAR	PADRAUNA	S-NPP	26.80615	83.99584	13:28:17	D	6.30
135	KUSHINAGAR	TAMKUIH RAJ	S-NPP	26.67367	84.05540	13:28:17	D	3.90
136	KUSHINAGAR	TAMKUIH RAJ	AQUA	26.67000	84.04900	13:45:58	D	6.40
137	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.00303	83.57735	13:28:17	D	4.00
138	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.05728	83.54794	13:28:17	D	4.20
139	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.05829	83.60189	13:28:17	D	7.80
140	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10726	83.59576	13:28:17	D	2.70
141	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.22227	83.59280	13:28:17	D	2.30
142	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.97800	83.61600	13:45:58	D	12.40
143	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.98000	83.62900	13:45:58	D	7.40
144	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.14000	83.59500	13:45:58	D	7.80
145	MAHARAJGANJ	NAUTANWA	AQUA	27.32600	83.42400	13:45:58	D	7.00
146	MAHARAJGANJ	NICHLAUL	S-NPP	27.32932	83.68276	13:28:17	D	1.70
147	MAHARAJGANJ	PHARENDA	AQUA	27.10300	83.32600	13:45:58	D	6.20
148	MAU	MADHUBAN	S-NPP	26.07127	83.63145	13:28:17	D	3.00
149	MAU	MAU	S-NPP	25.88412	83.70982	13:28:17	D	6.20
150	MAU	MAU	S-NPP	25.93146	83.77629	13:28:17	D	2.50
151	MAU	MAU	AQUA	25.94100	83.76900	13:45:58	D	5.70
152	MEERUT	MAWANA	S-NPP	28.93248	77.94334	13:28:17	D	6.00
153	MEERUT	MAWANA	S-NPP	28.97220	77.92773	13:28:17	D	2.50
154	MEERUT	MAWANA	S-NPP	29.21976	78.05754	13:28:17	D	1.70
155	MEERUT	MEERUT	S-NPP	28.82925	77.72688	13:28:17	D	3.30
156	MEERUT	MEERUT	S-NPP	28.95891	77.80653	13:28:17	D	2.50
157	MEERUT	MEERUT	S-NPP	28.97829	77.49581	13:28:17	D	2.30
158	MEERUT	MEERUT	S-NPP	29.01391	77.57739	13:28:17	D	7.90
159	MEERUT	MEERUT	S-NPP	29.02675	77.54565	13:28:17	D	2.50
160	MEERUT	MEERUT	S-NPP	29.05737	77.46886	13:28:17	D	1.70
161	MIRZAPUR	LALGANJ	S-NPP	24.85393	82.27485	13:28:17	D	6.70

162	MIRZAPUR	LALGANJ	S-NPP	24.85512	82.27225	13:28:17	D	7.30
163	MUZAFARNAGAR	BUDHANA	S-NPP	29.27878	77.58102	13:28:17	D	1.40
164	MUZAFARNAGAR	BUDHANA	S-NPP	29.43463	77.47412	13:28:17	D	2.20
165	MUZAFARNAGAR	JANSATH	S-NPP	29.35283	77.83741	13:28:17	D	2.10
166	MUZAFARNAGAR	KHATOLI	S-NPP	29.26484	77.88173	13:28:17	D	1.10
167	MUZAFARNAGAR	KHATOLI	S-NPP	29.37029	77.76142	13:28:17	D	1.90
168	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.40034	77.60264	13:28:17	D	4.50
169	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.44075	77.66815	13:28:17	D	4.10
170	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.44656	77.76114	13:28:17	D	2.00
171	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.45815	77.61814	13:28:17	D	2.80
172	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.55550	77.49081	13:28:17	D	3.60
173	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.56442	77.65511	13:28:17	D	3.60
174	PILHIBHIT	PILHIBHIT	S-NPP	28.57432	79.93424	13:28:17	D	12.40
175	PILHIBHIT	PURANPUR	AQUA	28.53200	80.11100	13:45:58	D	13.90
176	RAIBEARELI	MAHARAJGANG	S-NPP	26.36109	81.37322	13:28:17	D	5.80
177	RAIBEARELI	MAHARAJGANG	S-NPP	26.52455	81.25587	13:28:17	D	3.50
178	RAIBEARELI	MAHARAJGANG	S-NPP	26.59594	81.21614	13:28:17	D	6.20
179	RAIBEARELI	SALON	S-NPP	26.18397	81.58960	13:28:17	D	5.50
180	RAIBEARELI	TILOI	S-NPP	26.24683	81.48734	13:28:17	D	4.10
181	RAIBEARELI	TILOI	S-NPP	26.24768	81.48989	13:28:17	D	7.00
182	RAIBEARELI	TILOI	S-NPP	26.34067	81.41111	13:28:17	D	5.70
183	RAIBEARELI	TILOI	S-NPP	26.49604	81.47702	13:28:17	D	3.70
184	RAIBEARELI	UNCHA HAR	S-NPP	25.99782	81.23926	13:28:17	D	3.10
185	RAMPUR	TANDA	S-NPP	29.00980	78.95967	13:28:17	D	2.30
186	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92442	82.85099	13:28:17	D	2.60
187	SHAHJAHANPUR	PUWANYA	S-NPP	27.98284	79.91283	13:28:17	D	4.70
188	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.65942	79.81662	13:28:17	D	5.50
189	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.77940	79.74165	13:28:17	D	5.80
190	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.82480	79.95548	13:28:17	D	2.60
191	SHAMLI	SHAMLI	S-NPP	29.35194	77.33336	13:28:17	D	2.00
192	SHAMLI	SHAMLI	S-NPP	29.51082	77.41867	13:28:17	D	2.70
193	SHAMLI	SHAMLI	S-NPP	29.62143	77.33971	13:28:17	D	3.60
194	SHARANPUR	DEOBAND	S-NPP	29.61581	77.62444	13:28:17	D	2.20
195	SHARANPUR	DEOBAND	S-NPP	29.61599	77.67572	13:28:17	D	2.60
196	SHARANPUR	DEOBAND	S-NPP	29.75960	77.75865	13:28:17	D	2.20
197	SHARANPUR	DEOBAND	S-NPP	29.79725	77.60130	13:28:17	D	6.70

198	SHARANPUR	NAKUR	S-NPP	29.74479	77.27547	13:28:17	D	2.30
199	SHARANPUR	NAKUR	S-NPP	29.82552	77.30376	13:28:17	D	4.00
200	SHARANPUR	NAKUR	S-NPP	29.97042	77.41771	13:28:17	D	6.90
201	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	29.65862	77.53184	13:28:17	D	4.10
202	SHARANPUR	SHARANPUR	S-NPP	29.90682	77.69014	13:28:17	D	1.80
203	SHARANPUR	SHARANPUR	S-NPP	30.01233	77.62002	13:28:17	D	2.70
204	SHRAWASTI	IKAUNA	S-NPP	27.56641	81.72291	13:28:17	D	3.50
205	SITAPUR	MISRIK	S-NPP	27.32261	80.50941	13:28:17	D	2.00
206	SITAPUR	MISRIK	S-NPP	27.51057	80.51817	13:28:17	D	4.20
207	SITAPUR	MISRIK	S-NPP	27.60460	80.37930	13:28:17	D	2.40
208	SITAPUR	SITAPUR	S-NPP	27.74504	80.61550	13:28:17	D	4.70
209	SULTANPUR	JAISINGHPUR	S-NPP	26.33420	82.28621	13:28:17	D	3.80
210	SULTANPUR	JAISINGHPUR	S-NPP	26.39415	82.20142	13:28:17	D	2.20
211	SULTANPUR	KADIRPUR	S-NPP	26.17374	82.54888	13:28:17	D	4.50
212	SULTANPUR	KADIRPUR	S-NPP	26.22225	82.49680	13:28:17	D	4.10
213	SULTANPUR	KADIRPUR	S-NPP	26.24392	82.57679	13:28:17	D	3.10
214	UNNAO	HASANGANJ	S-NPP	26.64657	80.69161	13:28:17	D	4.50
215	UNNAO	HASANGANJ	S-NPP	26.65283	80.62028	13:28:17	D	9.90

Details of residue burning events in Rajasthan on 29-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	DUNGARPUR	ASPUR	S-NPP	23.84859	74.06339	13:28:17	D	4.30
2	GANGANAGAR	ANAPGARH	S-NPP	29.13699	73.36423	13:28:17	D	2.10
3	GANGANAGAR	VIJAY NAGAR	S-NPP	29.29836	73.63177	13:28:17	D	4.80
4	HANUMANGARH	HANUMANGARH	S-NPP	29.56296	74.28976	13:28:17	D	3.60
5	HANUMANGARH	HANUMANGARH	S-NPP	29.60648	74.38581	13:28:17	D	3.40
6	HANUMANGARH	TIBI	S-NPP	29.56543	74.54515	13:28:17	D	4.80
7	HANUMANGARH	TIBI	S-NPP	29.56877	74.54444	13:28:17	D	4.80
8	HANUMANGARH	TIBI	S-NPP	29.59240	74.42664	13:28:17	D	1.30
9	KOTA	SANGOD	S-NPP	24.84682	76.27312	13:28:17	D	4.20

Details of residue burning events in Madhya Pradesh on 29-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.53700	77.70110	13:28:17	D	1.70
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.57442	77.81551	13:28:17	D	1.40
3	BALAGHAT	LANJI	S-NPP	21.47295	80.46034	13:28:17	D	3.90
4	BETUL	BHAINSDEHI	S-NPP	21.53721	77.96787	13:28:17	D	3.60
5	BETUL	SHAHPUR	S-NPP	22.29278	77.95401	13:28:17	D	5.60
6	BHIND	GOHAD	S-NPP	26.50291	78.39477	13:28:17	D	2.90
7	BHIND	GOHAD	S-NPP	26.52836	78.37794	13:28:17	D	2.70
8	DATIA	BHANDER	S-NPP	25.91740	78.69118	13:28:17	D	5.00
9	DATIA	DATIA	S-NPP	25.65940	78.31599	13:28:17	D	3.30
10	DATIA	DATIA	S-NPP	25.67007	78.34256	13:28:17	D	2.00
11	DATIA	DATIA	S-NPP	25.67737	78.32101	13:28:17	D	7.10
12	DATIA	DATIA	S-NPP	25.67906	78.33289	13:28:17	D	2.70
13	DATIA	DATIA	S-NPP	25.80325	78.39742	13:28:17	D	2.40
14	DATIA	SEONDHA	S-NPP	25.82073	78.47215	13:28:17	D	4.20
15	DATIA	SEONDHA	S-NPP	25.85805	78.56441	13:28:17	D	1.80
16	DATIA	SEONDHA	S-NPP	25.97816	78.67672	13:28:17	D	3.20
17	EAST NIMAR	KHANDWA	S-NPP	22.05333	76.26111	13:28:17	D	1.50
18	EAST NIMAR	KHANDWA	S-NPP	22.11525	76.25343	13:28:17	D	1.70
19	GUNA	GUNA	S-NPP	24.62691	77.44044	13:28:17	D	1.30
20	GUNA	RAGHOGARH	S-NPP	24.48455	77.14661	02:18:17	N	0.80
21	GWALIOR	BHITARWAR	S-NPP	25.72126	78.03949	13:28:17	D	3.40
22	GWALIOR	BHITARWAR	S-NPP	25.72297	78.09943	13:28:17	D	2.90
23	GWALIOR	BHITARWAR	S-NPP	25.72520	78.09100	13:28:17	D	5.70
24	GWALIOR	BHITARWAR	S-NPP	25.72632	78.09885	13:28:17	D	9.30
25	GWALIOR	BHITARWAR	S-NPP	25.72855	78.09042	13:28:17	D	5.70
26	GWALIOR	BHITARWAR	S-NPP	25.72912	78.09434	13:28:17	D	9.30
27	GWALIOR	BHITARWAR	S-NPP	25.73021	78.05398	13:28:17	D	3.20
28	GWALIOR	BHITARWAR	S-NPP	25.73024	78.10219	13:28:17	D	5.50
29	GWALIOR	BHITARWAR	S-NPP	25.73077	78.05788	13:28:17	D	3.20

30	GWALIOR	BHITARWAR	S-NPP	25.73080	78.10612	13:28:17	D	5.50
31	GWALIOR	BHITARWAR	S-NPP	25.73137	78.13421	13:28:17	D	2.80
32	GWALIOR	BHITARWAR	S-NPP	25.73356	78.05339	13:28:17	D	6.90
33	GWALIOR	BHITARWAR	S-NPP	25.73466	78.03715	13:28:17	D	5.00
34	GWALIOR	BHITARWAR	S-NPP	25.74529	78.06339	13:28:17	D	2.00
35	GWALIOR	BHITARWAR	S-NPP	25.75202	78.08630	13:28:17	D	3.00
36	GWALIOR	BHITARWAR	S-NPP	25.82260	78.01772	13:28:17	D	3.70
37	GWALIOR	BHITARWAR	S-NPP	25.82598	78.06536	13:28:17	D	1.40
38	GWALIOR	BHITARWAR	S-NPP	25.82709	78.04908	13:28:17	D	2.30
39	GWALIOR	BHITARWAR	S-NPP	25.83656	78.01929	13:28:17	D	7.00
40	GWALIOR	BHITARWAR	S-NPP	25.84379	77.99793	13:28:17	D	1.10
41	GWALIOR	BHITARWAR	S-NPP	25.84886	78.03320	13:28:17	D	3.30
42	GWALIOR	BHITARWAR	S-NPP	25.87633	78.10490	13:28:17	D	3.30
43	GWALIOR	BHITARWAR	S-NPP	25.89581	78.04910	13:28:17	D	3.70
44	GWALIOR	BHITARWAR	S-NPP	25.90030	78.05636	13:28:17	D	2.20
45	GWALIOR	BHITARWAR	S-NPP	25.91707	78.01737	13:28:17	D	2.90
46	GWALIOR	BHITARWAR	S-NPP	25.92603	78.08027	13:28:17	D	3.60
47	GWALIOR	BHITARWAR	S-NPP	25.95953	78.02603	13:28:17	D	2.50
48	GWALIOR	BHITARWAR	S-NPP	25.96301	78.19514	13:28:17	D	3.70
49	GWALIOR	BHITARWAR	S-NPP	25.98209	78.20805	13:28:17	D	2.30
50	GWALIOR	BHITARWAR	S-NPP	25.98265	78.21201	13:28:17	D	2.80
51	GWALIOR	BHITARWAR	S-NPP	25.99158	78.15369	13:28:17	D	3.30
52	GWALIOR	BHITARWAR	S-NPP	26.00668	78.13889	13:28:17	D	4.60
53	GWALIOR	DABRA	S-NPP	25.82653	78.23891	13:28:17	D	2.70
54	GWALIOR	DABRA	S-NPP	25.86579	78.24831	13:28:17	D	4.00
55	GWALIOR	DABRA	S-NPP	25.87982	78.24992	13:28:17	D	2.20
56	GWALIOR	DABRA	S-NPP	25.88373	78.22897	13:28:17	D	2.70
57	GWALIOR	DABRA	S-NPP	25.89945	78.24245	13:28:17	D	5.70
58	GWALIOR	DABRA	S-NPP	25.90338	78.24583	13:28:17	D	5.90
59	GWALIOR	DABRA	S-NPP	25.90508	78.25774	13:28:17	D	3.70
60	GWALIOR	DABRA	S-NPP	25.90788	78.25318	13:28:17	D	3.50
61	GWALIOR	DABRA	S-NPP	25.91348	78.24409	13:28:17	D	6.50
62	GWALIOR	DABRA	S-NPP	25.91685	78.24350	13:28:17	D	4.70

63	GWALIOR	DABRA	S-NPP	25.91798	78.25143	13:28:17	D	2.80
64	GWALIOR	DABRA	S-NPP	25.91804	78.30025	13:28:17	D	7.20
65	GWALIOR	DABRA	S-NPP	25.94057	78.23152	13:28:17	D	3.50
66	GWALIOR	DABRA	S-NPP	25.94896	78.29110	13:28:17	D	2.80
67	GWALIOR	DABRA	S-NPP	25.95984	78.42381	13:28:17	D	2.10
68	GWALIOR	DABRA	S-NPP	25.96064	78.42402	13:28:17	D	2.40
69	GWALIOR	DABRA	S-NPP	25.98774	78.29660	13:28:17	D	3.60
70	GWALIOR	DABRA	S-NPP	26.01868	78.31982	13:28:17	D	2.60
71	GWALIOR	GWALIOR	S-NPP	26.32368	78.35886	13:28:17	D	2.40
72	GWALIOR	GWALIOR	S-NPP	26.32425	78.36288	13:28:17	D	2.40
73	HOSHANGABAD	BABAI	S-NPP	22.77638	78.04919	13:28:17	D	2.70
74	HOSHANGABAD	BANKHERI	S-NPP	22.93565	78.52784	13:28:17	D	1.90
75	HOSHANGABAD	PIPARIYA	S-NPP	22.82262	78.42312	13:28:17	D	3.60
76	HOSHANGABAD	PIPARIYA	S-NPP	22.82595	78.42255	13:28:17	D	3.60
77	HOSHANGABAD	PIPARIYA	S-NPP	22.83294	78.33984	13:28:17	D	3.20
78	HOSHANGABAD	PIPARIYA	S-NPP	22.84067	78.41589	13:28:17	D	3.30
79	HOSHANGABAD	PIPARIYA	S-NPP	22.86510	78.37301	13:28:17	D	4.00
80	HOSHANGABAD	PIPARIYA	S-NPP	22.87509	78.34809	13:28:17	D	1.80
81	HOSHANGABAD	PIPARIYA	S-NPP	22.88174	78.37016	13:28:17	D	1.90
82	HOSHANGABAD	SOHAGPUR	S-NPP	22.70386	78.10430	13:28:17	D	10.30
83	HOSHANGABAD	SOHAGPUR	S-NPP	22.82630	78.27145	13:28:17	D	3.50
84	INDORE	MHOW	S-NPP	22.56194	75.83487	13:28:17	D	2.20
85	JABALPUR	JABALPUR	S-NPP	23.06466	79.98408	13:28:17	D	1.40
86	JABALPUR	JABALPUR	S-NPP	23.07970	79.99016	13:28:17	D	9.10
87	JABALPUR	JABALPUR	S-NPP	23.09069	79.81151	13:28:17	D	4.50
88	JABALPUR	JABALPUR	S-NPP	23.09415	79.81096	13:28:17	D	5.50
89	JABALPUR	JABALPUR	S-NPP	23.09578	79.84841	13:28:17	D	4.30
90	JABALPUR	JABALPUR	S-NPP	23.09874	79.81860	13:28:17	D	8.50
91	JABALPUR	JABALPUR	S-NPP	23.11087	80.03617	13:28:17	D	2.70
92	JABALPUR	JABALPUR	S-NPP	23.16582	79.82941	13:28:17	D	3.60
93	JABALPUR	JABALPUR	S-NPP	23.16694	79.83763	13:28:17	D	2.50
94	JABALPUR	JABALPUR	S-NPP	23.27712	79.90905	13:28:17	D	2.30
95	JABALPUR	JABALPUR	S-NPP	23.28106	79.93812	13:28:17	D	4.00

96	JABALPUR	JABALPUR	S-NPP	23.28821	79.88615	13:28:17	D	4.00
97	JABALPUR	JABALPUR	S-NPP	23.28877	79.89027	13:28:17	D	4.00
98	JABALPUR	JABALPUR	S-NPP	23.29224	79.88972	13:28:17	D	3.10
99	JABALPUR	JABALPUR	S-NPP	23.29798	79.90574	13:28:17	D	2.60
100	JABALPUR	JABALPUR	S-NPP	23.32885	80.05424	13:28:17	D	5.00
101	JABALPUR	JABALPUR	S-NPP	23.32965	79.98146	13:28:17	D	4.00
102	JABALPUR	JABALPUR	S-NPP	23.33896	79.97147	13:28:17	D	3.90
103	JABALPUR	JABALPUR	S-NPP	23.35646	79.91765	13:28:17	D	4.90
104	JABALPUR	MAJHOULI	S-NPP	23.44301	79.94288	13:28:17	D	6.30
105	JABALPUR	MAJHOULI	S-NPP	23.44467	79.98106	13:28:17	D	26.10
106	JABALPUR	MAJHOULI	S-NPP	23.47248	80.05387	13:28:17	D	11.30
107	JABALPUR	MAJHOULI	S-NPP	23.47598	80.05331	13:28:17	D	11.30
108	JABALPUR	MAJHOULI	S-NPP	23.48992	80.02231	13:28:17	D	1.40
109	JABALPUR	MAJHOULI	S-NPP	23.53675	79.94627	13:28:17	D	4.70
110	JABALPUR	MAJHOULI	S-NPP	23.54316	79.94097	13:28:17	D	4.80
111	JABALPUR	MAJHOULI	S-NPP	23.55496	80.10686	13:28:17	D	1.50
112	JABALPUR	MAJHOULI	S-NPP	23.56351	79.93346	13:28:17	D	4.90
113	JABALPUR	MAJHOULI	AQUA	23.47600	80.04900	13:45:58	D	16.80
114	JABALPUR	PATAN	S-NPP	23.20644	79.71416	13:28:17	D	3.70
115	JABALPUR	PATAN	S-NPP	23.20861	79.78064	13:28:17	D	8.80
116	JABALPUR	PATAN	S-NPP	23.21207	79.78008	13:28:17	D	13.20
117	JABALPUR	PATAN	S-NPP	23.23970	79.80081	13:28:17	D	1.70
118	JABALPUR	PATAN	S-NPP	23.24122	79.80094	13:28:17	D	2.90
119	JABALPUR	PATAN	S-NPP	23.24635	79.81272	13:28:17	D	3.00
120	JABALPUR	PATAN	S-NPP	23.24725	79.74134	13:28:17	D	2.10
121	JABALPUR	PATAN	S-NPP	23.25070	79.74078	13:28:17	D	2.20
122	JABALPUR	PATAN	S-NPP	23.25714	79.71052	13:28:17	D	20.00
123	JABALPUR	PATAN	S-NPP	23.25780	79.68958	13:28:17	D	6.60
124	JABALPUR	PATAN	S-NPP	23.25998	79.86108	13:28:17	D	3.00
125	JABALPUR	PATAN	S-NPP	23.26590	79.82642	13:28:17	D	4.40
126	JABALPUR	PATAN	S-NPP	23.26815	79.84290	13:28:17	D	5.40
127	JABALPUR	PATAN	S-NPP	23.26918	79.72111	13:28:17	D	1.60
128	JABALPUR	PATAN	S-NPP	23.26965	79.75028	13:28:17	D	6.80

129	JABALPUR	PATAN	S-NPP	23.27049	79.83411	13:28:17	D	2.60
130	JABALPUR	PATAN	S-NPP	23.27059	79.80884	13:28:17	D	1.90
131	JABALPUR	PATAN	S-NPP	23.27105	79.83823	13:28:17	D	2.80
132	JABALPUR	PATAN	S-NPP	23.27115	79.81295	13:28:17	D	2.60
133	JABALPUR	PATAN	S-NPP	23.27751	79.80773	13:28:17	D	5.70
134	JABALPUR	PATAN	S-NPP	23.27807	79.81184	13:28:17	D	2.90
135	JABALPUR	PATAN	S-NPP	23.29354	79.84729	13:28:17	D	5.70
136	JABALPUR	PATAN	S-NPP	23.29447	79.72540	13:28:17	D	3.80
137	JABALPUR	PATAN	S-NPP	23.29503	79.72948	13:28:17	D	3.80
138	JABALPUR	PATAN	S-NPP	23.29792	79.72485	13:28:17	D	5.80
139	JABALPUR	PATAN	S-NPP	23.30811	79.79863	13:28:17	D	3.30
140	JABALPUR	PATAN	S-NPP	23.32760	79.86295	13:28:17	D	2.20
141	JABALPUR	PATAN	S-NPP	23.34026	79.73538	13:28:17	D	3.20
142	JABALPUR	PATAN	S-NPP	23.35295	79.85536	13:28:17	D	3.60
143	JABALPUR	PATAN	S-NPP	23.35480	79.85439	13:28:17	D	6.10
144	JABALPUR	PATAN	S-NPP	23.35642	79.85480	13:28:17	D	3.60
145	JABALPUR	PATAN	S-NPP	23.36527	79.81541	13:28:17	D	3.70
146	JABALPUR	PATAN	S-NPP	23.37071	79.75146	13:28:17	D	8.10
147	JABALPUR	PATAN	S-NPP	23.37086	79.85672	13:28:17	D	4.20
148	JABALPUR	PATAN	S-NPP	23.37127	79.75556	13:28:17	D	7.10
149	JABALPUR	PATAN	S-NPP	23.38250	79.83796	13:28:17	D	4.10
150	JABALPUR	PATAN	S-NPP	23.38597	79.83740	13:28:17	D	8.70
151	JABALPUR	PATAN	AQUA	23.25300	79.82900	13:45:58	D	31.60
152	JABALPUR	PATAN	AQUA	23.25800	79.82100	13:45:58	D	40.30
153	JABALPUR	PATAN	AQUA	23.26300	79.84700	13:45:58	D	18.10
154	JABALPUR	PATAN	AQUA	23.26700	79.82600	13:45:58	D	26.60
155	JABALPUR	SAHPURA	S-NPP	23.10050	79.80576	13:28:17	D	3.30
156	JABALPUR	SAHPURA	S-NPP	23.14893	79.73174	13:28:17	D	3.30
157	JABALPUR	SAHPURA	S-NPP	23.14949	79.73582	13:28:17	D	3.30
158	JABALPUR	SAHPURA	S-NPP	23.15005	79.73991	13:28:17	D	7.40
159	JABALPUR	SAHPURA	S-NPP	23.15303	79.71027	13:28:17	D	30.30
160	JABALPUR	SAHPURA	S-NPP	23.17147	79.69068	13:28:17	D	15.00
161	JABALPUR	SAHPURA	S-NPP	23.17491	79.69012	13:28:17	D	15.00

162	JABALPUR	SAHPURA	S-NPP	23.18130	79.66003	13:28:17	D	3.30
163	JABALPUR	SAHPURA	AQUA	23.16500	79.68400	13:45:58	D	23.90
164	JABALPUR	SIHORA	S-NPP	23.34856	80.09407	13:28:17	D	3.30
165	JABALPUR	SIHORA	S-NPP	23.38927	80.01983	13:28:17	D	3.30
166	JABALPUR	SIHORA	S-NPP	23.39277	80.01926	13:28:17	D	3.30
167	JABALPUR	SIHORA	S-NPP	23.41001	80.20222	13:28:17	D	5.00
168	JABALPUR	SIHORA	S-NPP	23.48411	80.08653	13:28:17	D	8.30
169	KATNI	BAHURIBAND	S-NPP	23.67009	80.10694	13:28:17	D	2.40
170	KATNI	BARBARA	S-NPP	23.86888	80.57086	13:28:17	D	4.40
171	KATNI	BIJERAGHOGARH	S-NPP	23.87728	80.52408	13:28:17	D	2.30
172	KATNI	BIJERAGHOGARH	S-NPP	23.87914	80.52509	13:28:17	D	3.10
173	KATNI	BIJERAGHOGARH	S-NPP	23.94230	80.61586	13:28:17	D	2.40
174	KATNI	MURBARA	S-NPP	23.72726	80.39761	13:28:17	D	1.70
175	MANDLA	BACHHIYA	S-NPP	22.49444	80.49760	13:28:17	D	5.70
176	MANDLA	BACHHIYA	S-NPP	22.52230	80.43681	13:28:17	D	2.00
177	MANDLA	MANDLA	S-NPP	22.48615	80.38192	13:28:17	D	3.00
178	MANDLA	MANDLA	S-NPP	22.52131	80.37645	13:28:17	D	2.10
179	MANDLA	MANDLA	S-NPP	22.56049	80.42653	13:28:17	D	2.50
180	MANDLA	MANDLA	AQUA	22.47900	80.35800	13:45:58	D	14.30
181	MANDLA	NAINPUR	S-NPP	22.46797	80.11620	13:28:17	D	2.00
182	MANDSAUR	SITAMAU	S-NPP	24.06019	75.34311	13:28:17	D	3.00
183	MANDSAUR	SITAMAU	S-NPP	24.06424	75.34644	13:28:17	D	2.60
184	NARSHIMAPURA	GADARWARA	S-NPP	22.83035	78.70969	13:28:17	D	2.00
185	NARSHIMAPURA	GADARWARA	S-NPP	22.85485	78.78391	13:28:17	D	2.40
186	NARSHIMAPURA	GADARWARA	S-NPP	23.03144	78.89213	13:28:17	D	2.80
187	NARSHIMAPURA	GOTECAON	S-NPP	23.02567	79.51997	13:28:17	D	4.20
188	NARSHIMAPURA	GOTECAON	S-NPP	23.02909	79.51941	13:28:17	D	4.20
189	NARSHIMAPURA	KARELI	S-NPP	22.83242	79.08379	13:28:17	D	3.20
190	NARSHIMAPURA	NARSIMHAPUR	S-NPP	23.07097	79.24483	13:28:17	D	5.70
191	RAISEN	BARELI	S-NPP	22.87486	78.09360	13:28:17	D	3.00
192	RAISEN	BARELI	S-NPP	22.87817	78.09303	13:28:17	D	3.00
193	RAISEN	BARELI	S-NPP	22.88871	78.09878	13:28:17	D	2.20
194	RAISEN	BARELI	S-NPP	22.93395	78.01401	13:28:17	D	2.40

195	RAISEN	BARELI	S-NPP	22.95898	78.11356	13:28:17	D	2.00
196	RAISEN	BARELI	S-NPP	22.96124	78.15170	13:28:17	D	1.90
197	RAISEN	BARELI	S-NPP	22.96943	78.06939	13:28:17	D	3.10
198	RAISEN	BARELI	S-NPP	22.97166	78.08440	13:28:17	D	2.70
199	RAISEN	BARELI	S-NPP	23.02400	78.29927	13:28:17	D	2.80
200	RAISEN	BARELI	S-NPP	23.03265	78.21765	02:18:17	N	1.60
201	RAISEN	BARELI	S-NPP	23.03544	78.11826	02:18:17	N	1.40
202	RAISEN	BARELI	S-NPP	23.10941	78.01392	13:28:17	D	2.80
203	RAISEN	GAIRATGANJ	S-NPP	23.39025	78.22065	13:28:17	D	3.50
204	RAISEN	GOHARGANJ	S-NPP	23.06355	77.57259	13:28:17	D	1.50
205	RAISEN	GOHARGANJ	S-NPP	23.09109	77.95936	13:28:17	D	2.90
206	RAISEN	GOHARGANJ	S-NPP	23.13862	77.95877	13:28:17	D	1.90
207	RAISEN	RAISEN	S-NPP	23.34733	77.95345	13:28:17	D	1.90
208	RAISEN	RAISEN	S-NPP	23.41663	77.94495	13:28:17	D	3.90
209	RAISEN	UDAIPURA	S-NPP	23.02519	78.51650	13:28:17	D	3.40
210	RAISEN	UDAIPURA	S-NPP	23.08429	78.41673	13:28:17	D	1.90
211	RAISEN	UDAIPURA	S-NPP	23.11126	78.72091	13:28:17	D	2.80
212	REWA	HUZUR	S-NPP	24.46341	81.26732	13:28:17	D	3.40
213	REWA	TEONTHAR	S-NPP	24.93506	81.86797	13:28:17	D	9.20
214	REWA	TEONTHAR	S-NPP	24.97037	81.46570	13:28:17	D	2.50
215	REWA	TEONTHAR	S-NPP	24.98233	81.50049	13:28:17	D	7.30
216	REWA	TEONTHAR	S-NPP	25.03192	81.58797	13:28:17	D	6.90
217	SAGAR	SAGAR	S-NPP	23.72754	78.52293	13:28:17	D	2.40
218	SATNA	AMARPATAN	S-NPP	24.40827	81.16120	13:28:17	D	4.50
219	SATNA	AMARPATAN	S-NPP	24.44484	81.18043	13:28:17	D	4.30
220	SATNA	AMARPATAN	S-NPP	24.48312	81.08368	13:28:17	D	2.80
221	SATNA	MAIHAR	S-NPP	24.32763	80.87074	13:28:17	D	3.70
222	SATNA	MAIHAR	S-NPP	24.35273	80.89736	13:28:17	D	2.80
223	SATNA	MAIHAR	S-NPP	24.35287	80.86864	13:28:17	D	2.70
224	SATNA	MAIHAR	S-NPP	24.35329	80.86687	13:28:17	D	3.10
225	SATNA	NAGOD	S-NPP	24.52956	80.59519	13:28:17	D	2.50
226	SATNA	NAGOD	S-NPP	24.53185	80.58875	13:28:17	D	5.40
227	SATNA	NAGOD	S-NPP	24.53202	80.58549	13:28:17	D	1.80

228	SATNA	NAGOD	S-NPP	24.60317	80.64951	13:28:17	D	2.30
229	SATNA	RAGURAJNAGAR	S-NPP	24.58782	80.90926	13:28:17	D	3.30
230	SATNA	RAGURAJNAGAR	S-NPP	24.65081	80.67664	13:28:17	D	6.70
231	SATNA	RAGURAJNAGAR	S-NPP	24.65168	80.67983	13:28:17	D	7.20
232	SATNA	RAGURAJNAGAR	S-NPP	24.66961	80.67845	13:28:17	D	3.00
233	SATNA	RAGURAJNAGAR	S-NPP	24.71827	80.62380	13:28:17	D	5.00
234	SATNA	RAGURAJNAGAR	S-NPP	24.71996	80.72293	13:28:17	D	4.80
235	SATNA	RAMNAGAR	S-NPP	24.19395	81.31827	13:28:17	D	2.90
236	SATNA	RAMPURBAGHLEAN	S-NPP	24.41214	80.86453	13:28:17	D	3.20
237	SATNA	RAMPURBAGHLEAN	S-NPP	24.50860	81.04560	13:28:17	D	5.50
238	SATNA	RAMPURBAGHLEAN	S-NPP	24.51757	80.90832	13:28:17	D	5.00
239	SATNA	RAMPURBAGHLEAN	S-NPP	24.52984	80.91621	13:28:17	D	4.00
240	SATNA	RAMPURBAGHLEAN	S-NPP	24.55433	81.01926	13:28:17	D	3.80
241	SATNA	RAMPURBAGHLEAN	S-NPP	24.55803	81.01872	13:28:17	D	3.80
242	SATNA	RAMPURBAGHLEAN	S-NPP	24.56482	81.01283	13:28:17	D	6.60
243	SATNA	RAMPURBAGHLEAN	S-NPP	24.59890	81.13046	13:28:17	D	1.70
244	SATNA	RAMPURBAGHLEAN	S-NPP	24.60046	81.13226	13:28:17	D	2.90
245	SATNA	RAMPURBAGHLEAN	S-NPP	24.63727	81.06268	13:28:17	D	6.00
246	SATNA	RAMPURBAGHLEAN	S-NPP	24.67257	81.01326	13:28:17	D	3.40
247	SATNA	RAMPURBAGHLEAN	S-NPP	24.67627	80.98336	13:28:17	D	5.60
248	SATNA	RAMPURBAGHLEAN	S-NPP	24.67935	80.97801	13:28:17	D	4.20
249	SATNA	RAMPURBAGHLEAN	S-NPP	24.68115	80.97942	13:28:17	D	3.80
250	SATNA	RAMPURBAGHLEAN	S-NPP	24.68828	81.03715	13:28:17	D	3.90
251	SATNA	RAMPURBAGHLEAN	S-NPP	24.69417	80.96281	13:28:17	D	2.10
252	SATNA	UCHAHAR	S-NPP	24.35620	80.80631	13:28:17	D	2.60
253	SATNA	UCHAHAR	S-NPP	24.39388	80.83865	13:28:17	D	4.00
254	SATNA	UCHAHAR	S-NPP	24.39754	80.83809	13:28:17	D	4.00
255	SATNA	UCHAHAR	S-NPP	24.40120	80.83754	13:28:17	D	8.00
256	SATNA	UCHAHAR	S-NPP	24.40611	80.81773	13:28:17	D	2.30
257	SATNA	UCHAHAR	S-NPP	24.40732	80.82707	13:28:17	D	5.30
258	SATNA	UCHAHAR	S-NPP	24.47703	80.76634	13:28:17	D	5.20
259	SATNA	UCHAHAR	S-NPP	24.48433	80.76522	13:28:17	D	11.90
260	SATNA	UCHAHAR	S-NPP	24.50931	80.75672	13:28:17	D	3.00

261	SEHORE	BUDHNI	S-NPP	22.89841	77.91267	13:28:17	D	0.90
262	SEHORE	BUDHNI	S-NPP	22.89952	77.92015	13:28:17	D	2.50
263	SEHORE	BUDHNI	S-NPP	22.89961	77.96620	13:28:17	D	2.40
264	SEHORE	BUDHNI	S-NPP	22.90008	77.92389	13:28:17	D	2.50
265	SEHORE	BUDHNI	S-NPP	22.90544	77.84624	13:28:17	D	2.60
266	SEHORE	BUDHNI	S-NPP	22.91374	77.85629	13:28:17	D	1.90
267	SEHORE	BUDHNI	S-NPP	22.91837	77.95525	13:28:17	D	3.20
268	SEHORE	BUDHNI	S-NPP	22.92500	77.95409	13:28:17	D	2.90
269	SEHORE	BUDHNI	S-NPP	22.93327	77.94113	13:28:17	D	2.40
270	SEONI	GHANSAUR	S-NPP	22.46936	79.81995	13:28:17	D	2.30
271	SEONI	GHANSAUR	S-NPP	22.65927	79.99044	13:28:17	D	7.50
272	SEONI	KEWLARI	S-NPP	22.40456	80.02520	13:28:17	D	3.30
273	SHIVPURI	KARERA	S-NPP	25.55340	78.08788	13:28:17	D	3.30
274	SHIVPURI	NARWAR	S-NPP	25.55179	78.14832	13:28:17	D	1.60
275	SHIVPURI	NARWAR	S-NPP	25.57530	78.16834	13:28:17	D	3.10
276	SHIVPURI	NARWAR	S-NPP	25.59444	78.25365	13:28:17	D	3.50
277	SHIVPURI	NARWAR	S-NPP	25.59781	78.25308	13:28:17	D	3.50
278	SHIVPURI	NARWAR	S-NPP	25.60398	78.09580	13:28:17	D	2.10
279	SHIVPURI	NARWAR	S-NPP	25.62575	78.29749	13:28:17	D	2.50
280	SHIVPURI	NARWAR	S-NPP	25.63697	78.27938	13:28:17	D	6.10
281	SHIVPURI	NARWAR	S-NPP	25.63753	78.28332	13:28:17	D	6.10
282	SHIVPURI	NARWAR	S-NPP	25.64259	78.24607	13:28:17	D	6.10
283	SHIVPURI	NARWAR	S-NPP	25.64707	78.27762	13:28:17	D	3.00
284	SHIVPURI	NARWAR	S-NPP	25.67055	78.17667	13:28:17	D	4.40
285	SHIVPURI	NARWAR	S-NPP	25.67512	78.30518	13:28:17	D	1.60
286	SHIVPURI	NARWAR	S-NPP	25.68671	78.12155	13:28:17	D	2.20
287	SHIVPURI	NARWAR	S-NPP	25.69632	78.18832	13:28:17	D	1.80
288	SHIVPURI	NARWAR	S-NPP	25.70677	78.10629	13:28:17	D	1.40
289	SHIVPURI	NARWAR	S-NPP	25.70753	78.19446	13:28:17	D	5.80
290	SHIVPURI	NARWAR	S-NPP	25.70843	78.04574	13:28:17	D	1.80
291	SHIVPURI	NARWAR	S-NPP	25.70947	77.95746	13:28:17	D	2.20
292	SHIVPURI	NARWAR	S-NPP	25.71228	77.97695	13:28:17	D	2.10
293	SHIVPURI	NARWAR	S-NPP	25.71344	78.03284	13:28:17	D	2.00

294	SHIVPURI	NARWAR	S-NPP	25.71515	78.11690	13:28:17	D	4.90
295	SHIVPURI	NARWAR	S-NPP	25.71571	78.12083	13:28:17	D	1.50
296	SHIVPURI	NARWAR	S-NPP	25.71789	78.01601	13:28:17	D	3.10
297	SHIVPURI	NARWAR	AQUA	25.63400	78.28200	13:45:58	D	22.70
298	SHIVPURI	SHIVPURI	S-NPP	25.39651	77.59161	13:28:17	D	3.90
299	SIDHI	CHORHAT	S-NPP	24.44070	81.60462	13:28:17	D	4.30
300	UJJAIN	TARANA	S-NPP	23.37420	76.09581	13:28:17	D	4.90
301	VIDESHA	BASODA	S-NPP	23.96577	78.02369	13:28:17	D	6.90
302	VIDESHA	BASODA	S-NPP	23.97906	78.02138	13:28:17	D	2.80
303	VIDESHA	BASODA	S-NPP	23.99566	77.99510	13:28:17	D	2.20
304	VIDESHA	GYARASPUR	S-NPP	23.60813	77.97717	13:28:17	D	1.70
305	VIDESHA	GYARASPUR	S-NPP	23.66397	77.85558	13:28:17	D	2.10
306	VIDESHA	VIDESHA	S-NPP	23.55703	77.52316	13:28:17	D	1.50
307	VIDESHA	VIDESHA	S-NPP	23.59292	77.85223	13:28:17	D	1.90
308	WEST NIMAR	BARWAH	S-NPP	22.14613	76.11631	13:28:17	D	0.60
309	WEST NIMAR	BARWAH	S-NPP	22.16616	76.06851	13:28:17	D	1.70
310	WEST NIMAR	BARWAH	S-NPP	22.39271	76.06306	13:28:17	D	1.60
311	WEST NIMAR	MAHESHWAR	S-NPP	22.19283	75.88653	02:18:17	N	0.60

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	Both
2.	JPSS-1 (NOAA-20)	VIIRS	375	Both
3.	JPSS-2 (NOAA-21)	VIIRS	375	Both
4.	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**

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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](#)
