



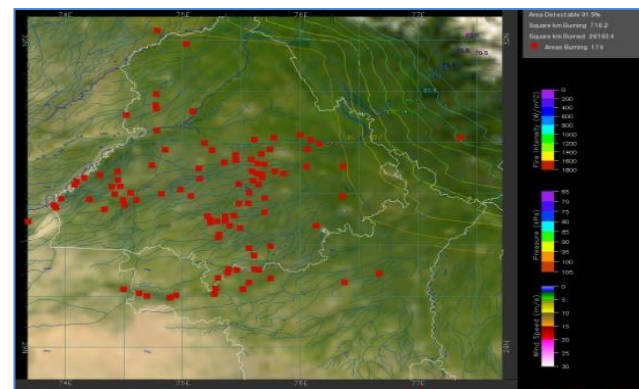
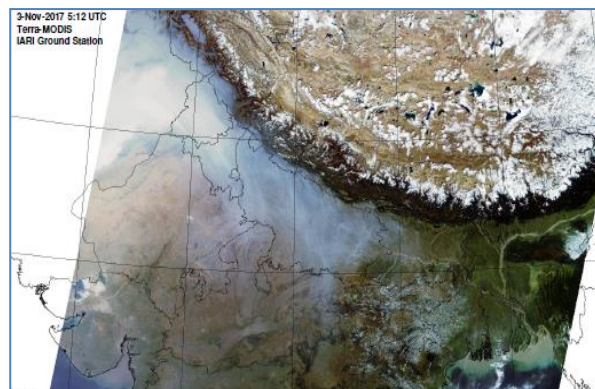
**Bulletin
No. 68**

**Events Date:
21-Nov-2022**

**Issued on:
21-Nov-2022**



MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2022



Prepared by:

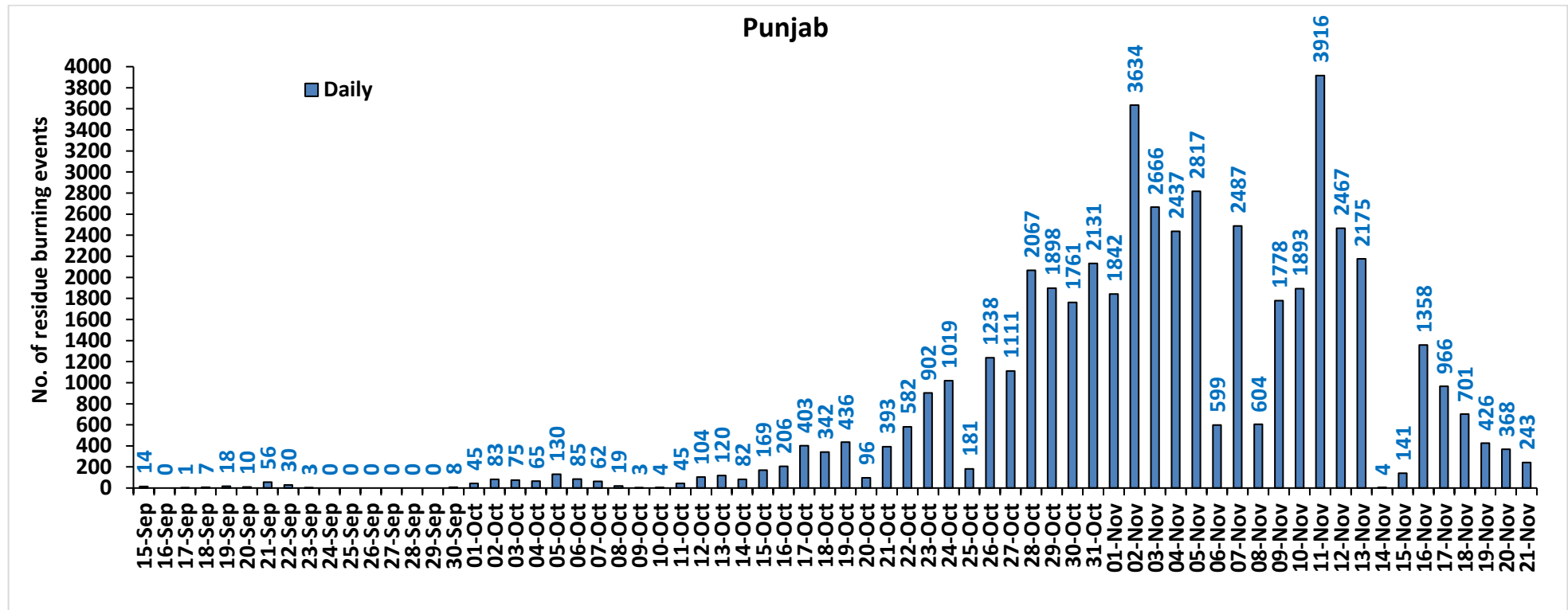
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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

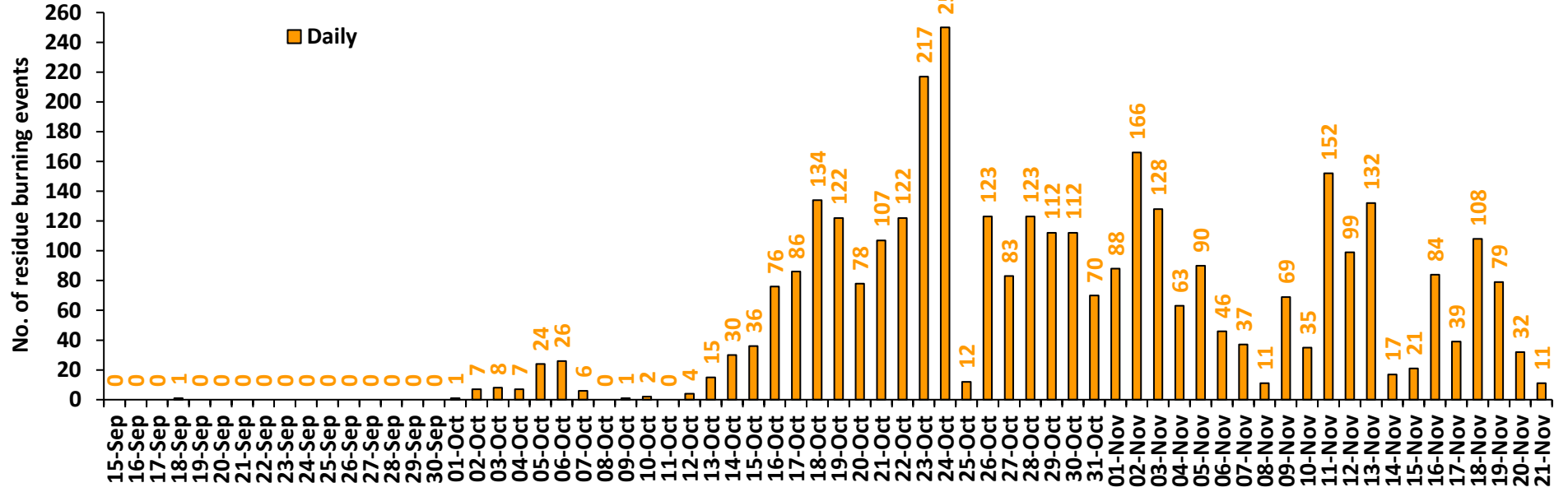
Highlights for 21-Nov-2022

- 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 **508** residue burning events in the six study States on 21-Nov-2022.
- The state wise events detected on 21-Nov-2022 were **243** in Punjab, **11** in Haryana, **46** in UP, **0** in Delhi, **12** in Rajasthan and **196** in MP.
- Total **66320** burning events were detected in the six states between 15-Sept-2022 and 21-Nov-2022, which are distributed as **49526**, **3502**, **1951**, **9**, **1227** and **10105** in Punjab, Haryana, UP, Delhi, Rajasthan and MP respectively.

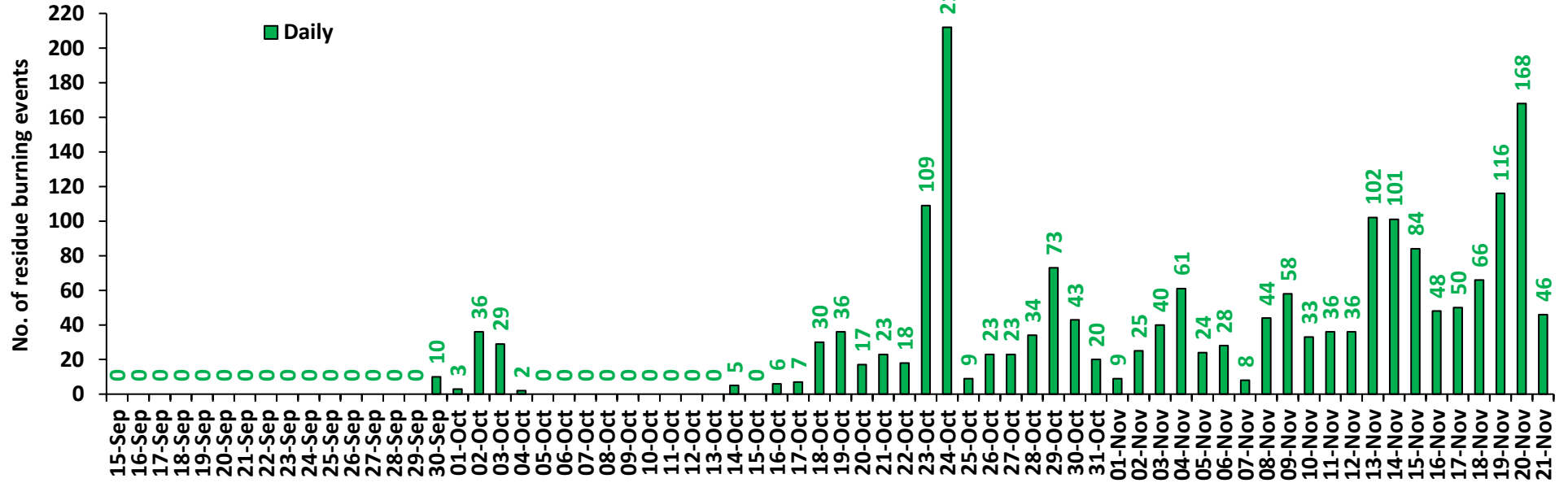
Temporal distribution of rice residue burning events for the study States in 2022



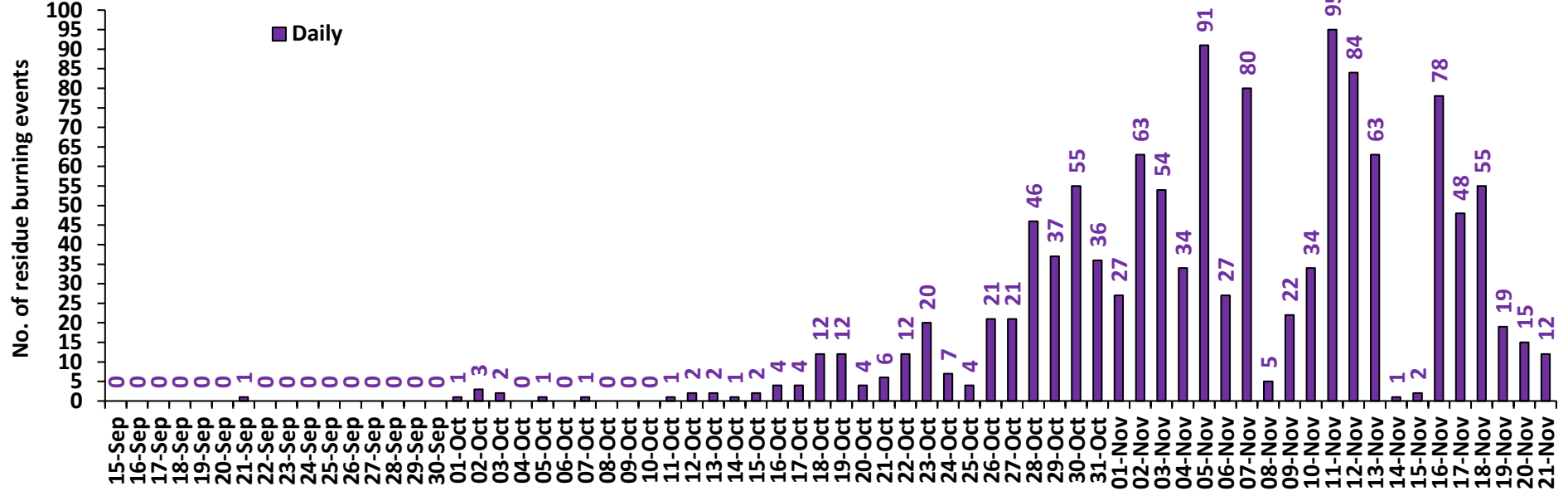
Haryana



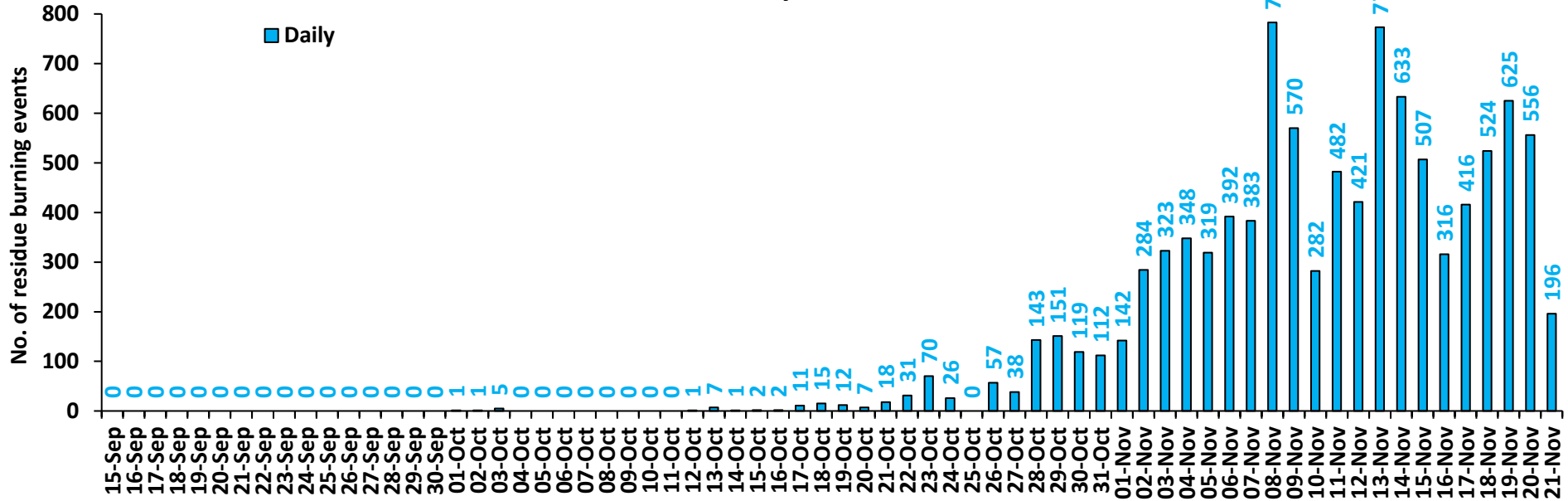
Uttar Pradesh



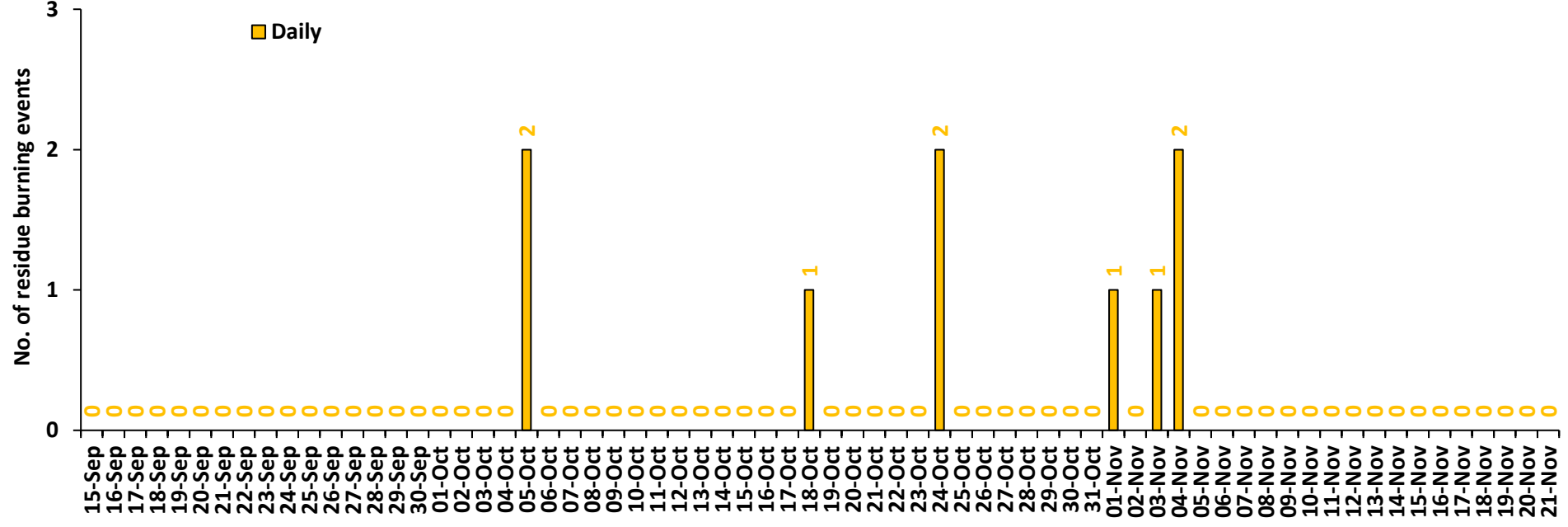
Rajasthan



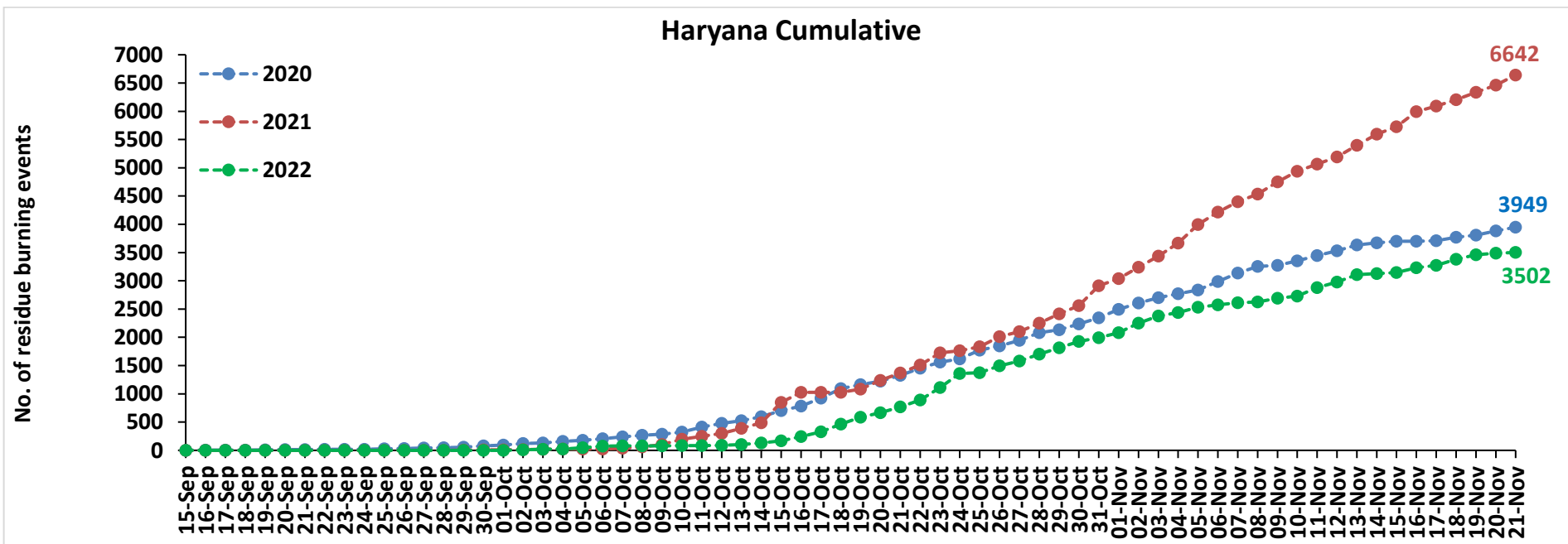
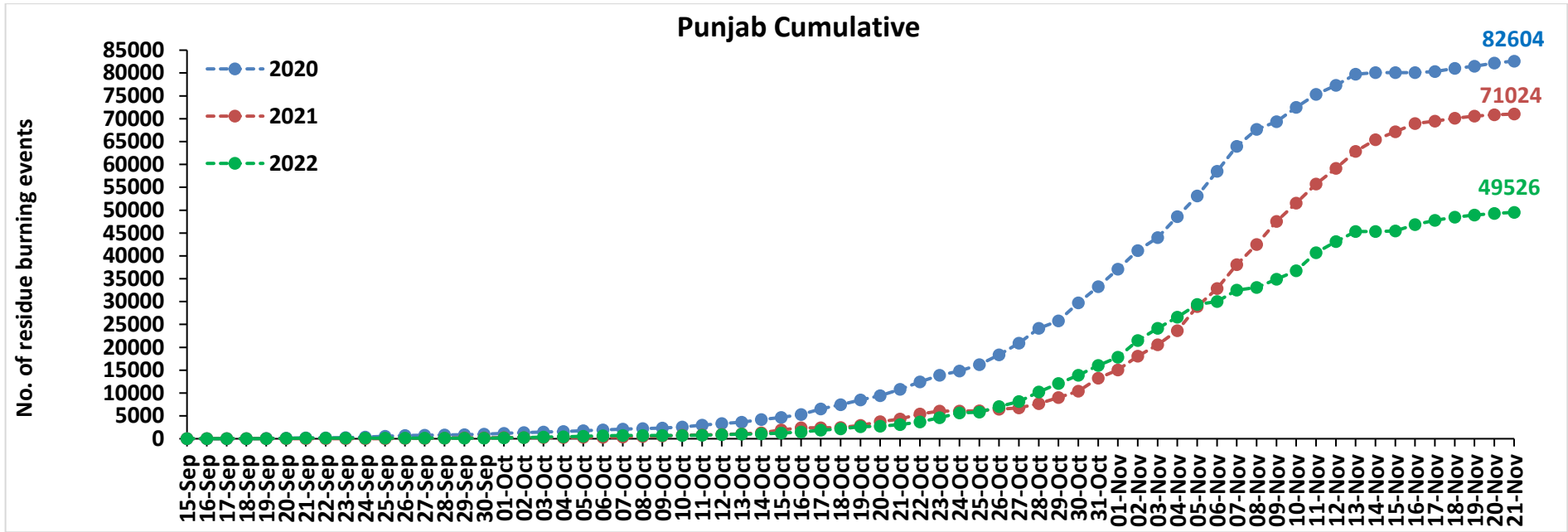
Madhya Pradesh



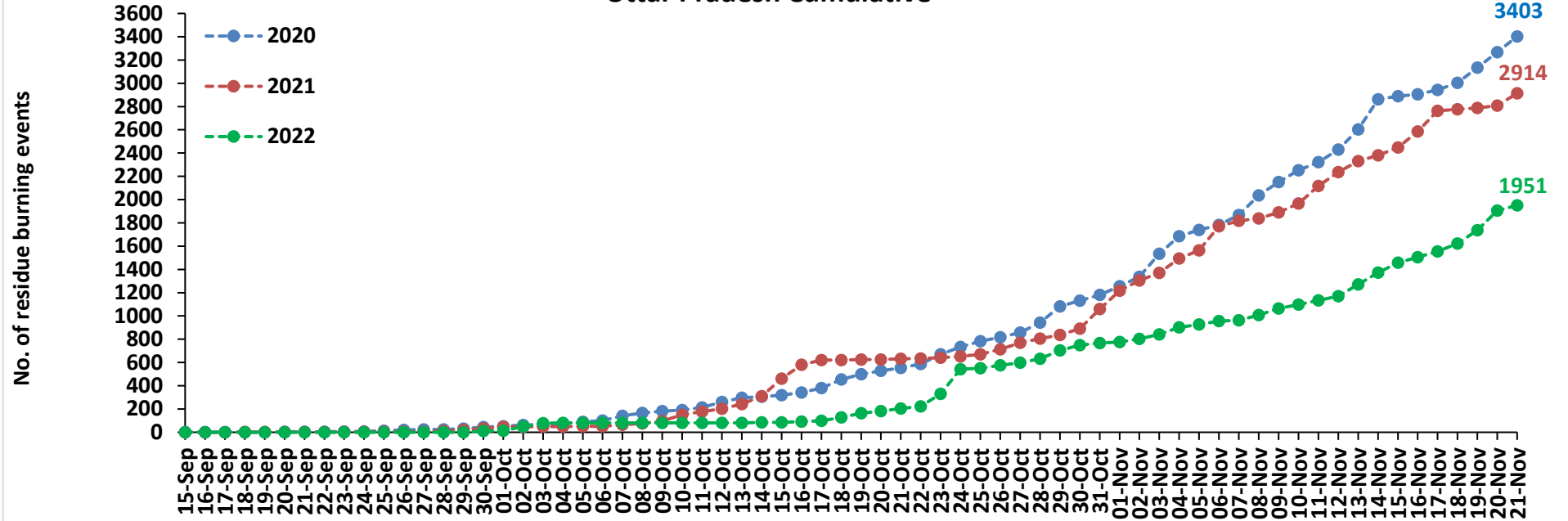
Delhi



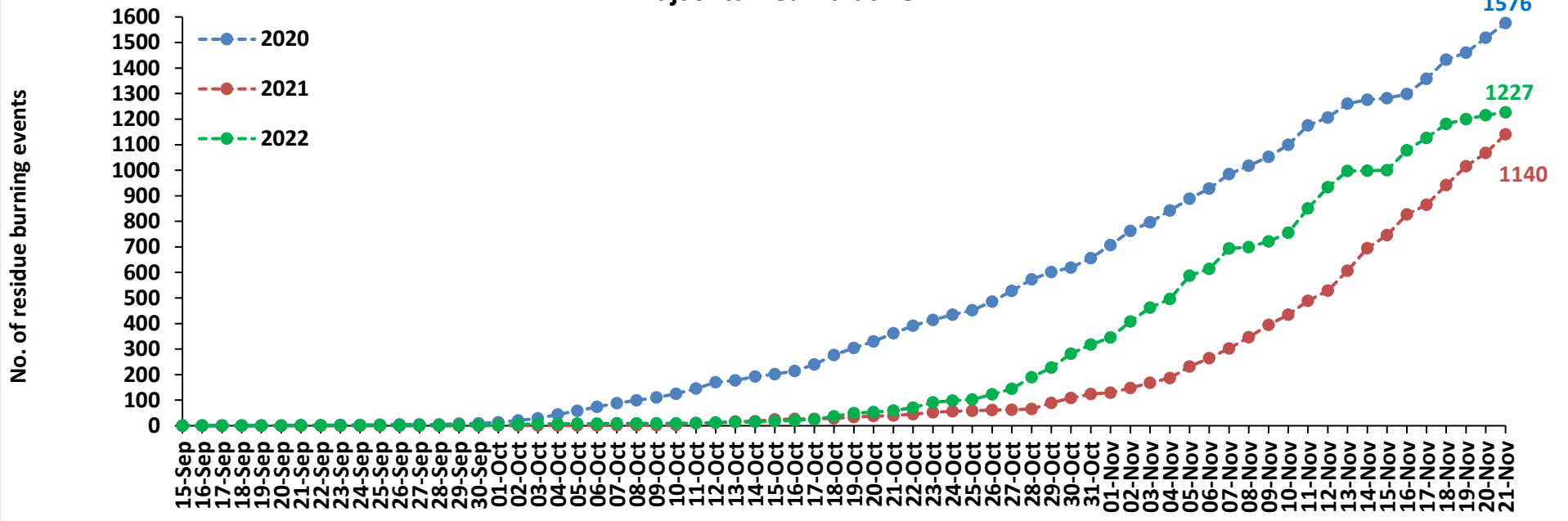
Comparison of residue burning events in current year (2022) with previous years (2020 and 2021) for the study States



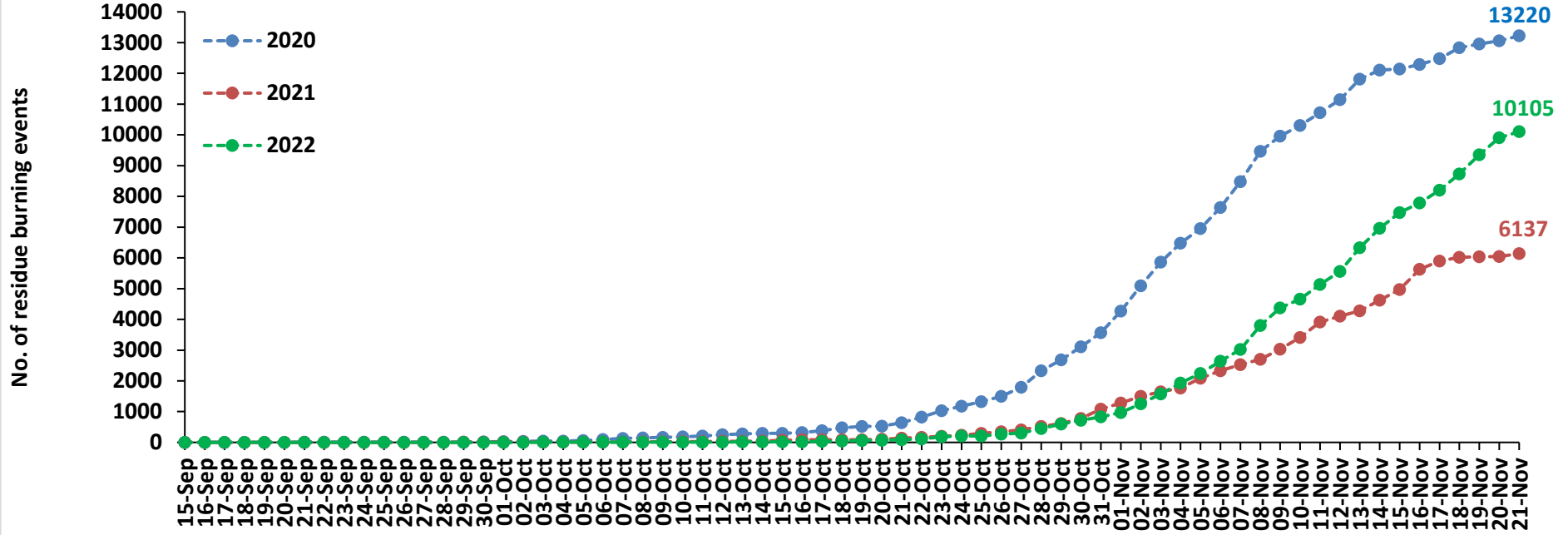
Uttar Pradesh Cumulative



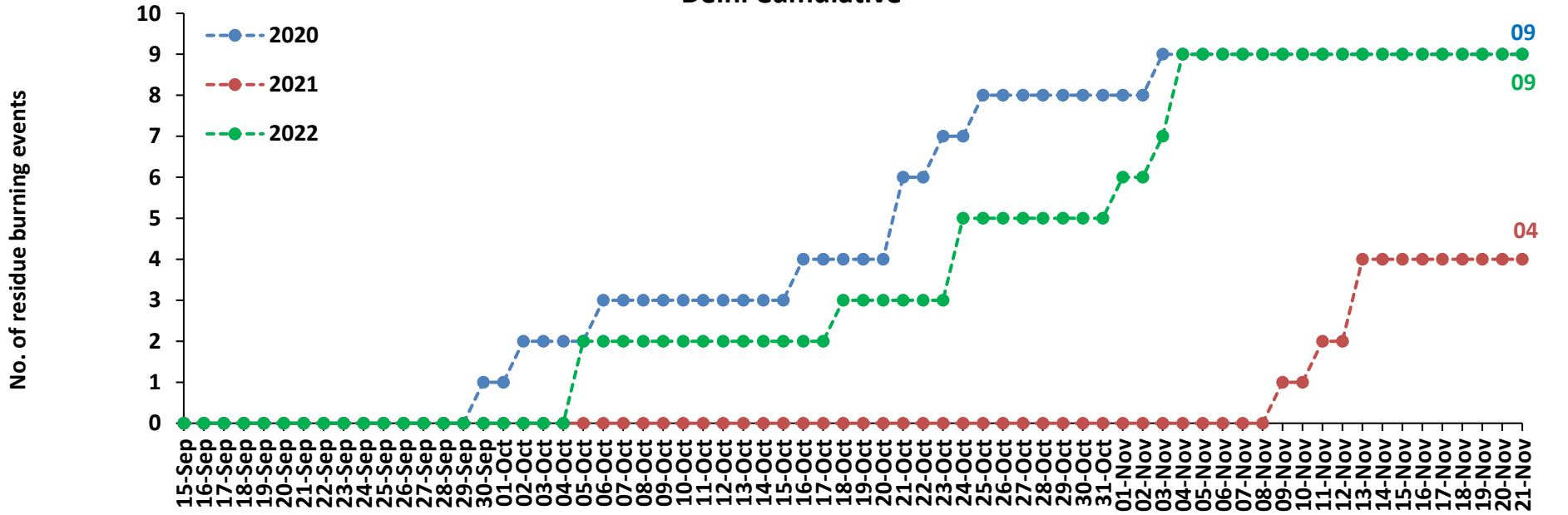
Rajasthan Cumulative



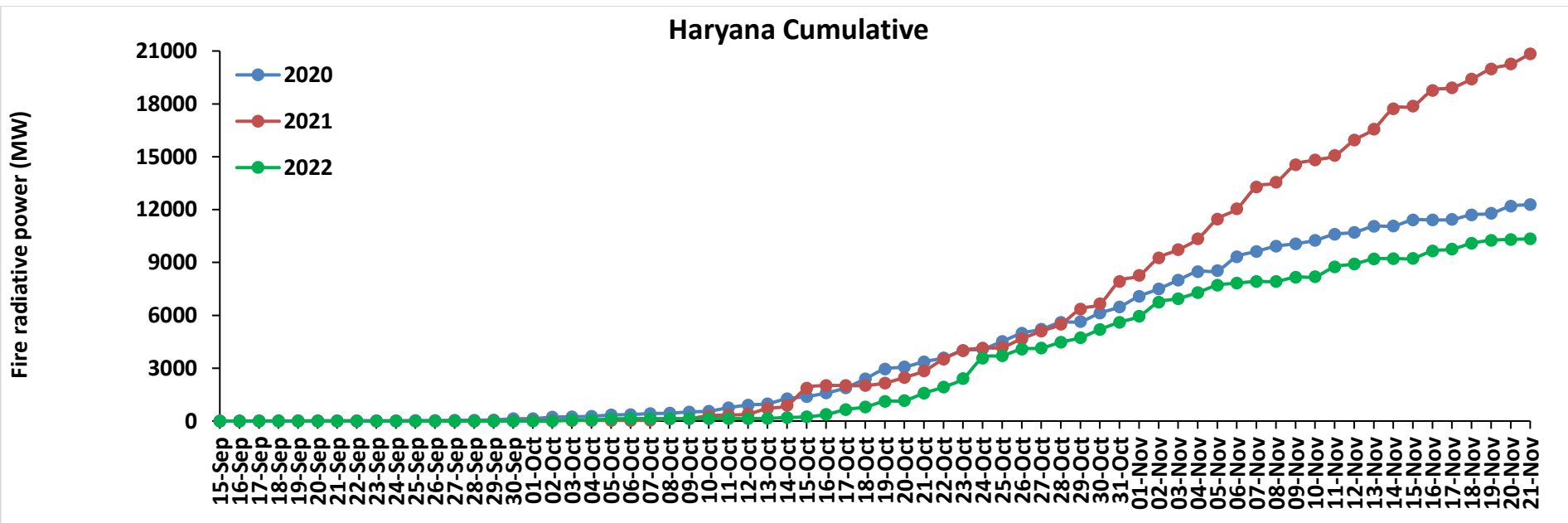
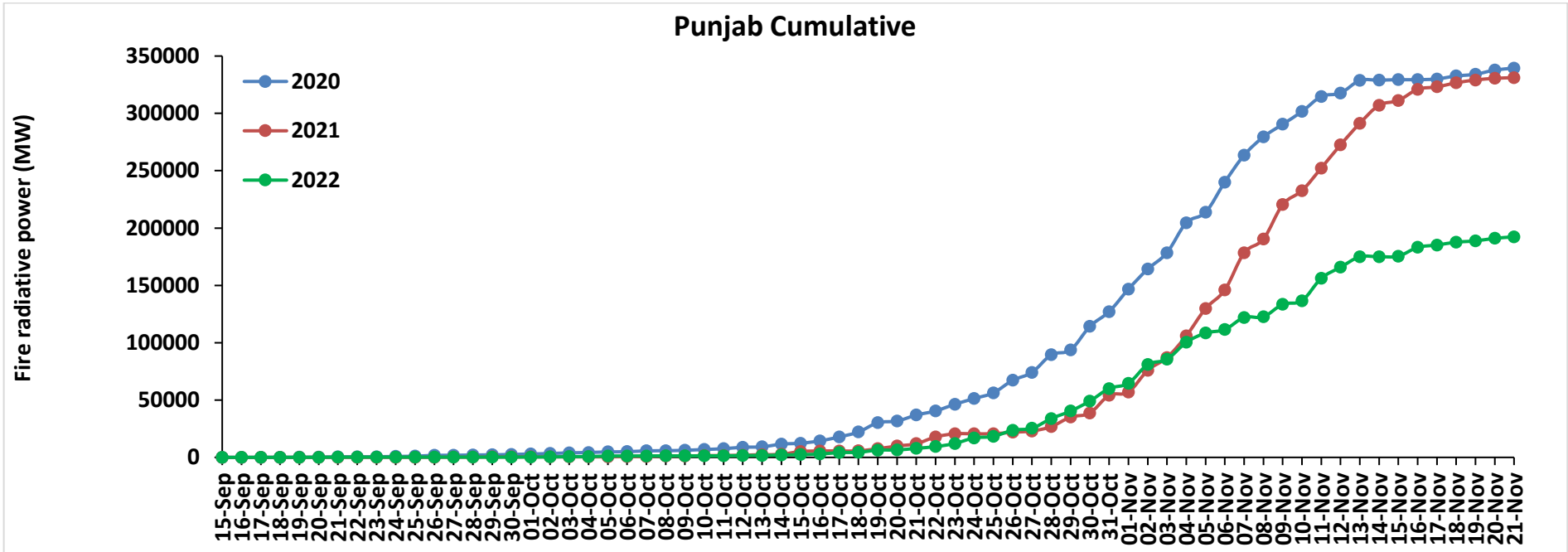
Madhya Pradesh Cumulative



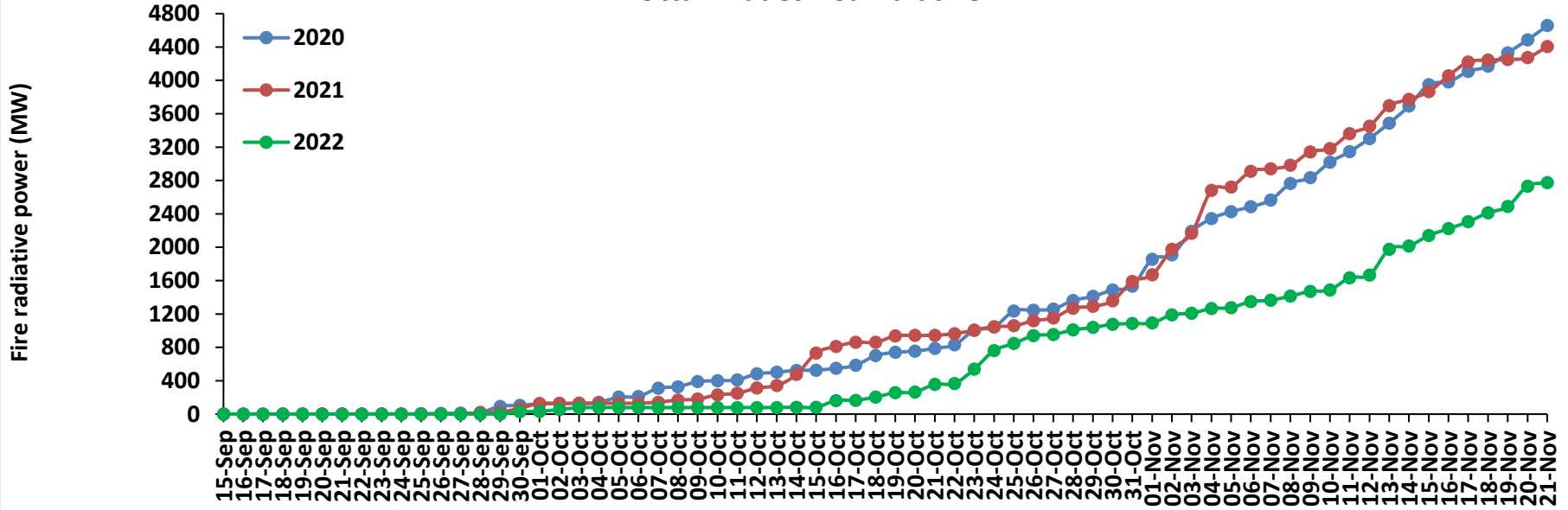
Delhi Cumulative



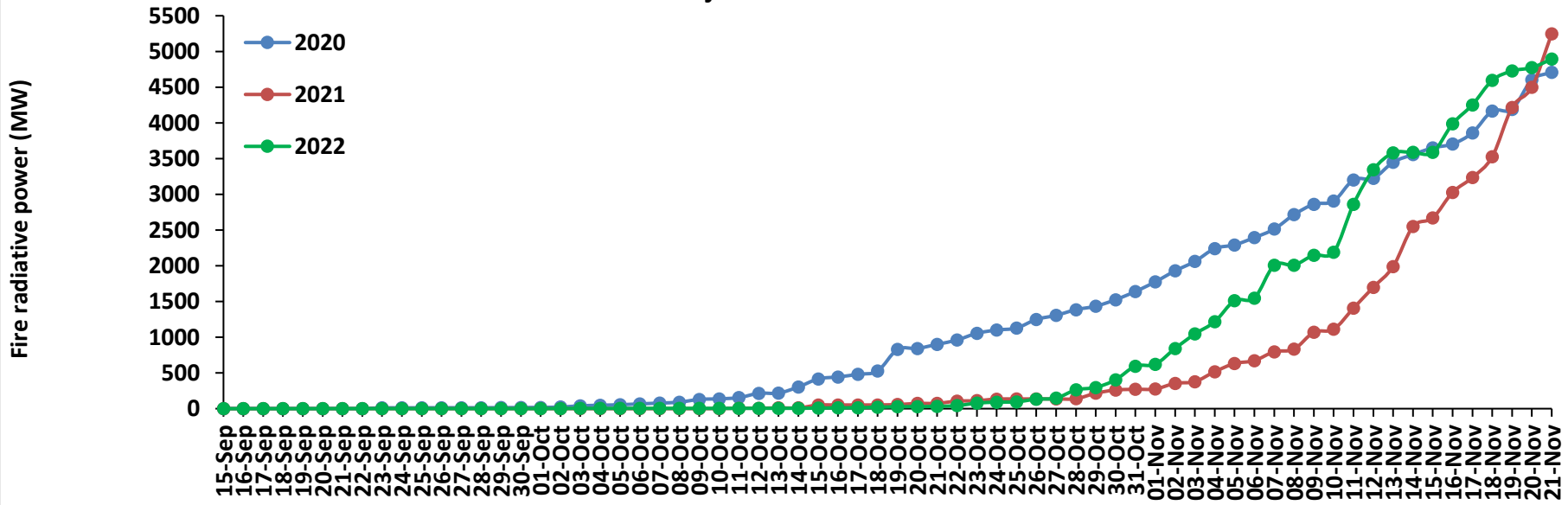
Comparison of residue burning fire power in current year (2022) with previous years (2021 and 2020) for the study States



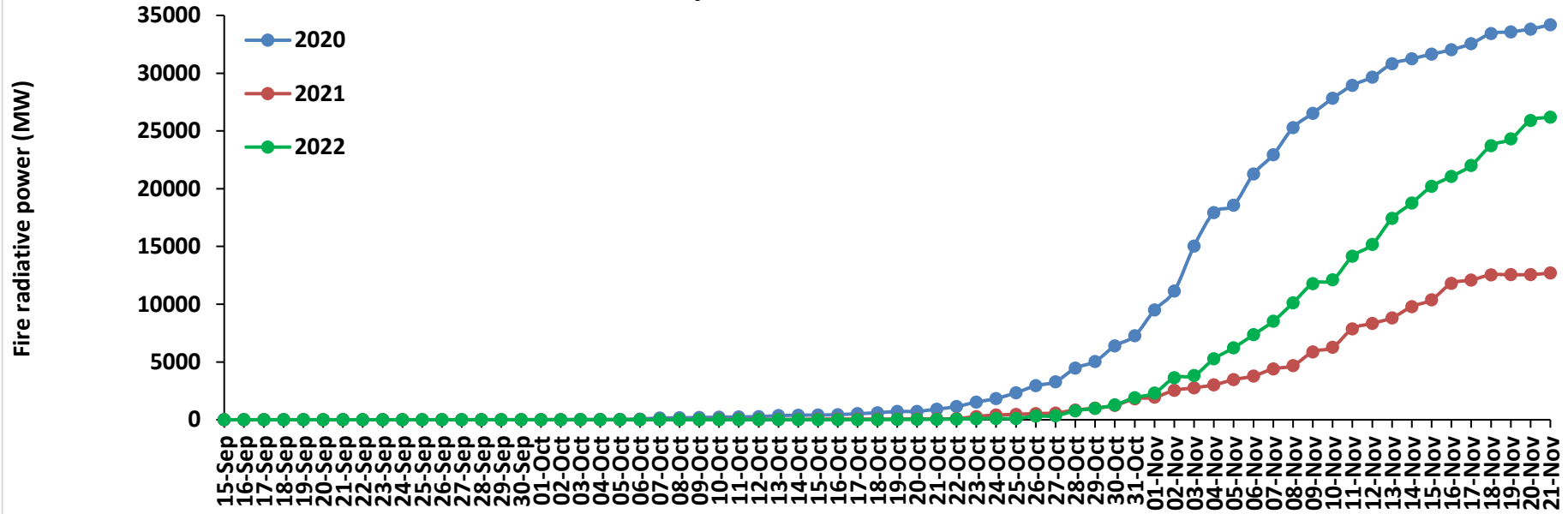
Uttar Pradesh Cumulative



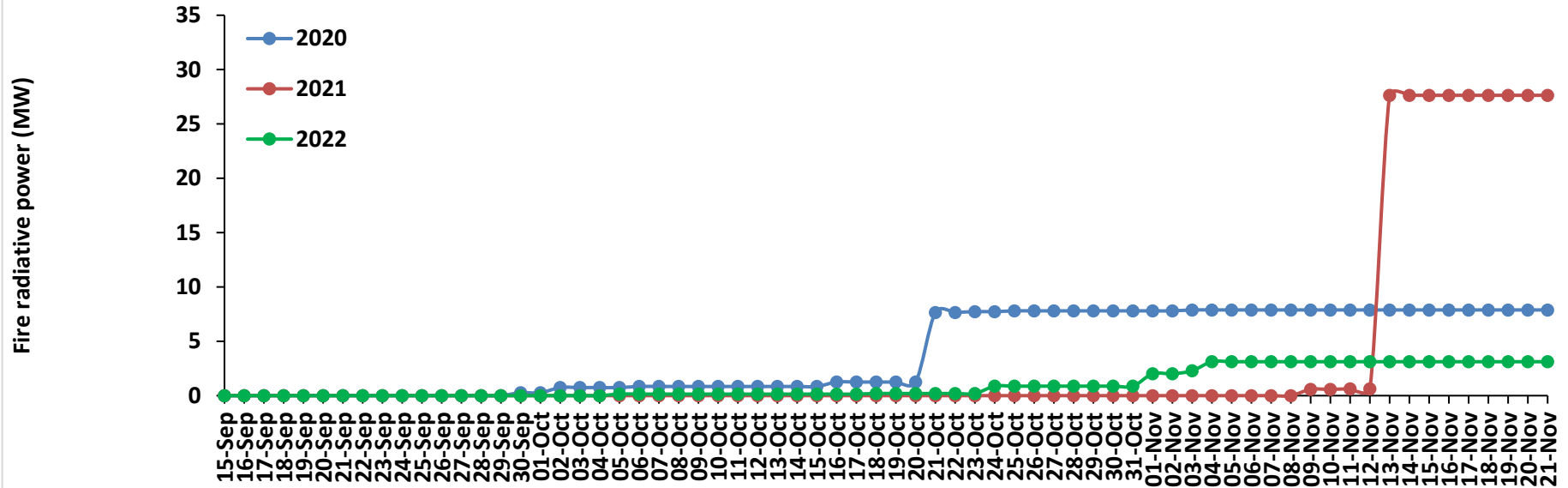
Rajasthan Cumulative



Madhya Pradesh Cumulative

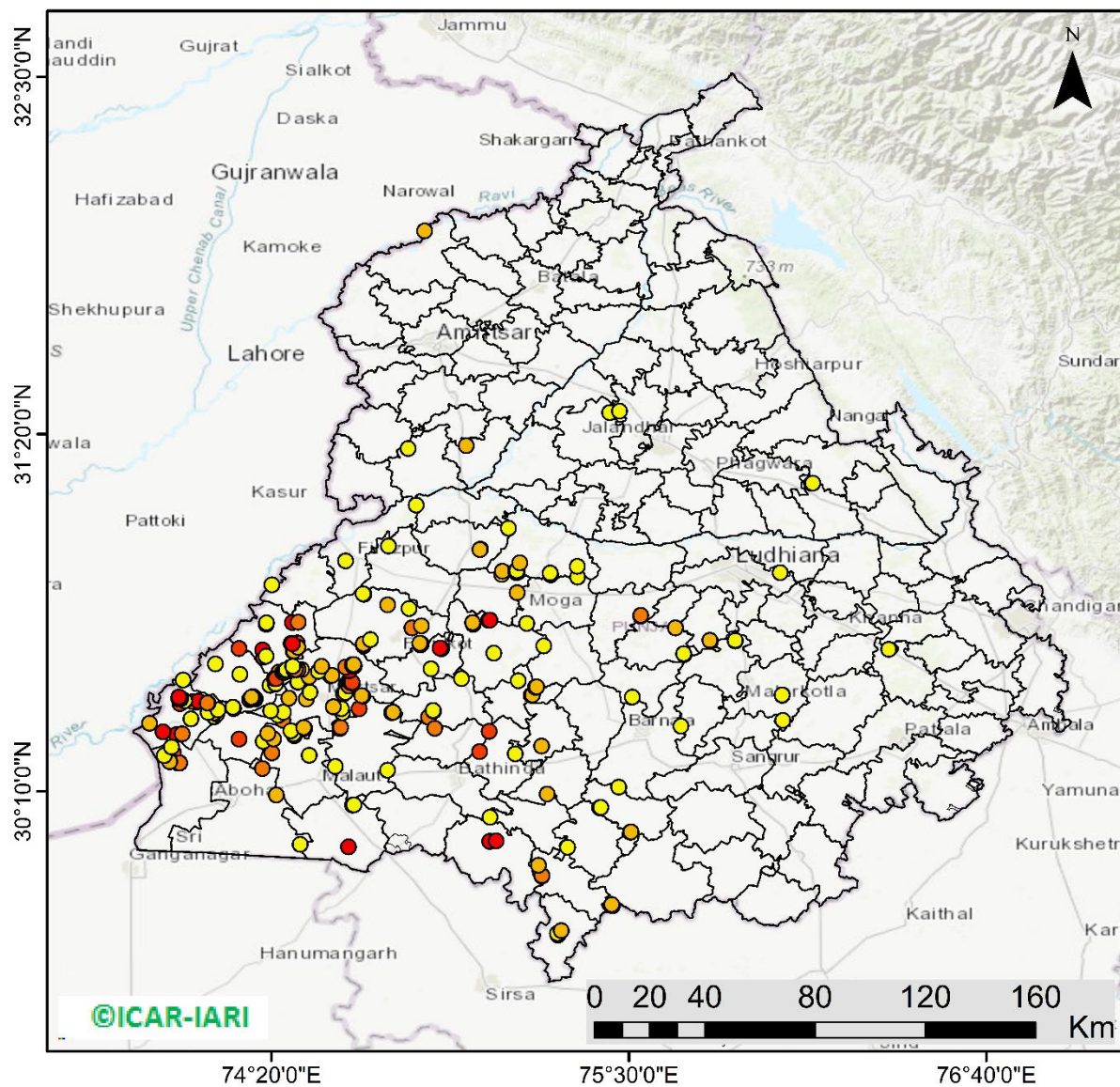


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



243 burning events detected in Punjab during (21st Nov 2022)

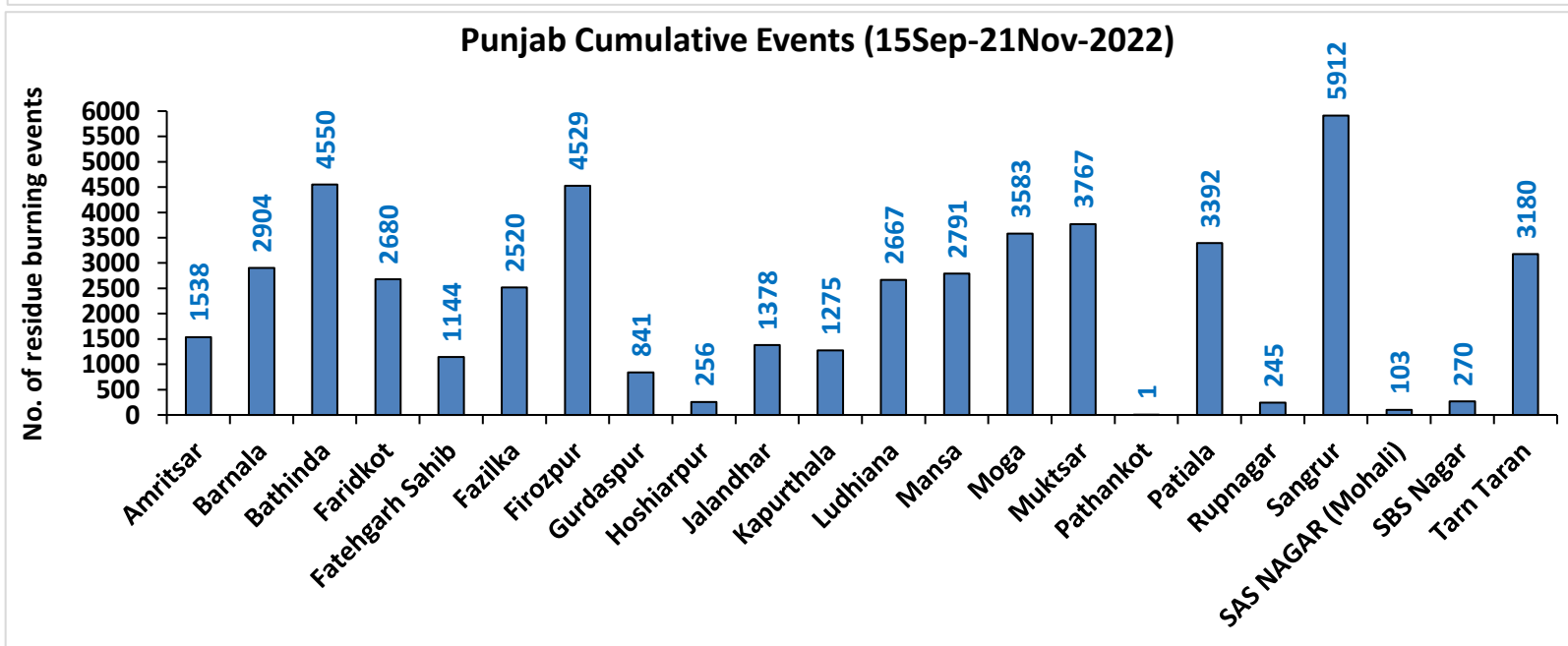
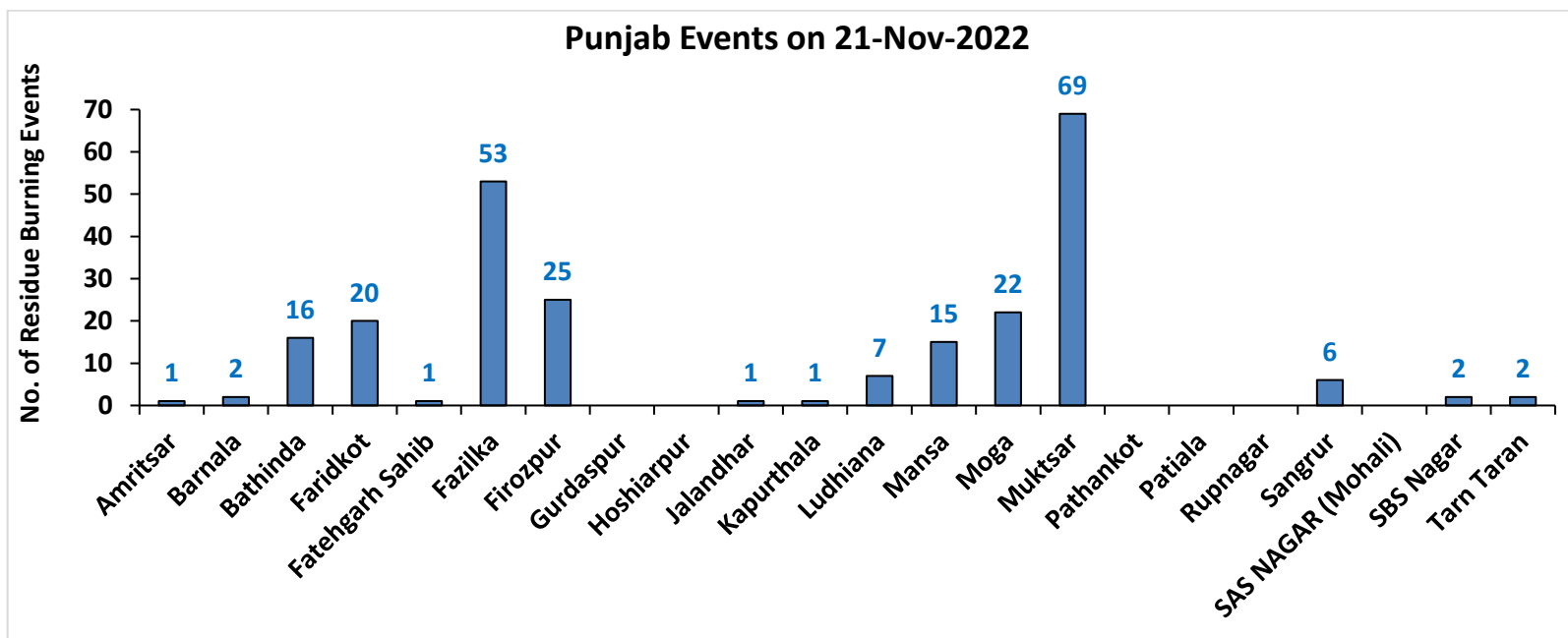
Fire Intensity (W/m²)

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



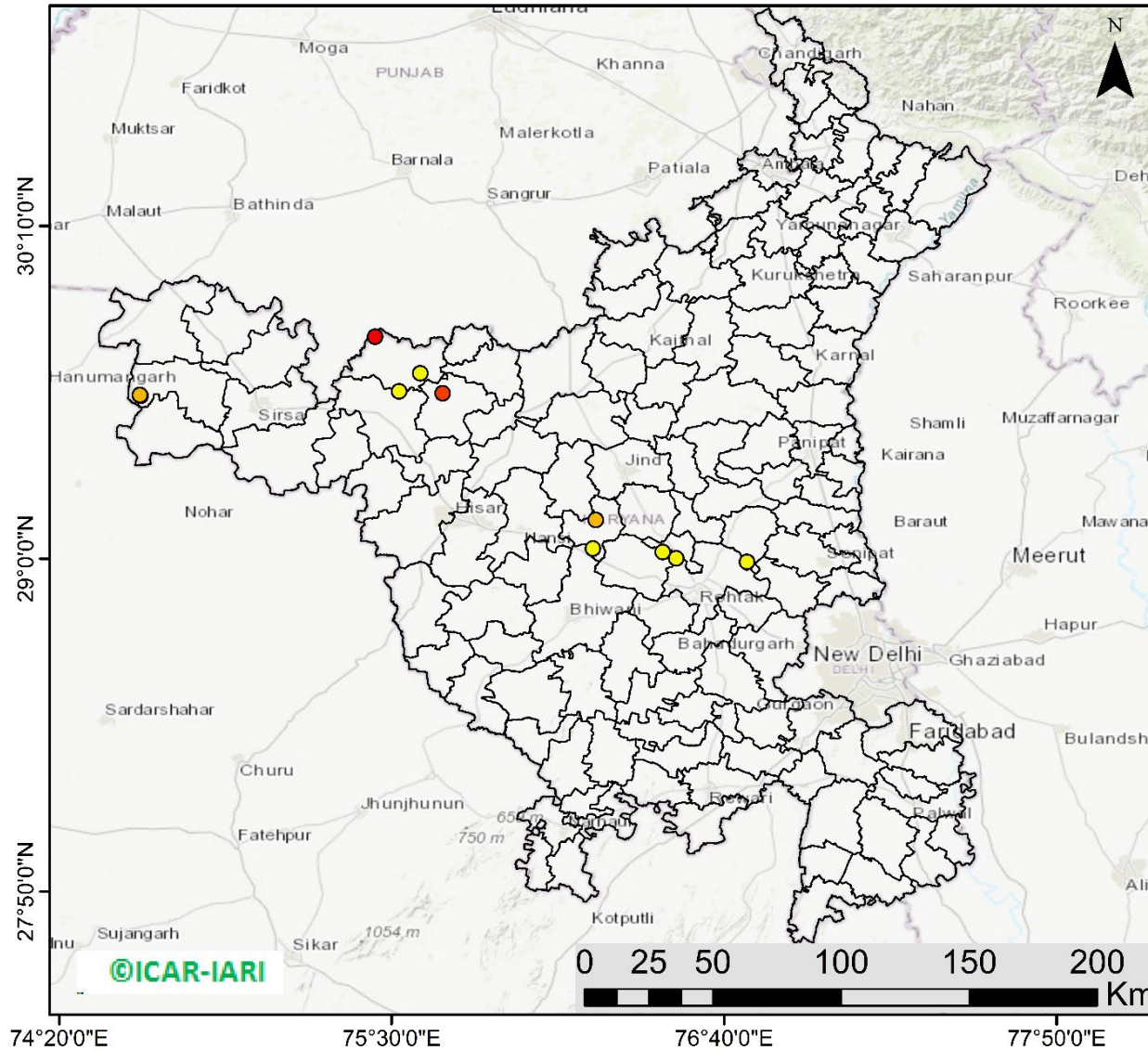
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep- 21Nov-2022)



Haryana

RICE RESIDUE BURNING IN HARYANA



11 burning events detected in Haryana on (21st Nov 2022)

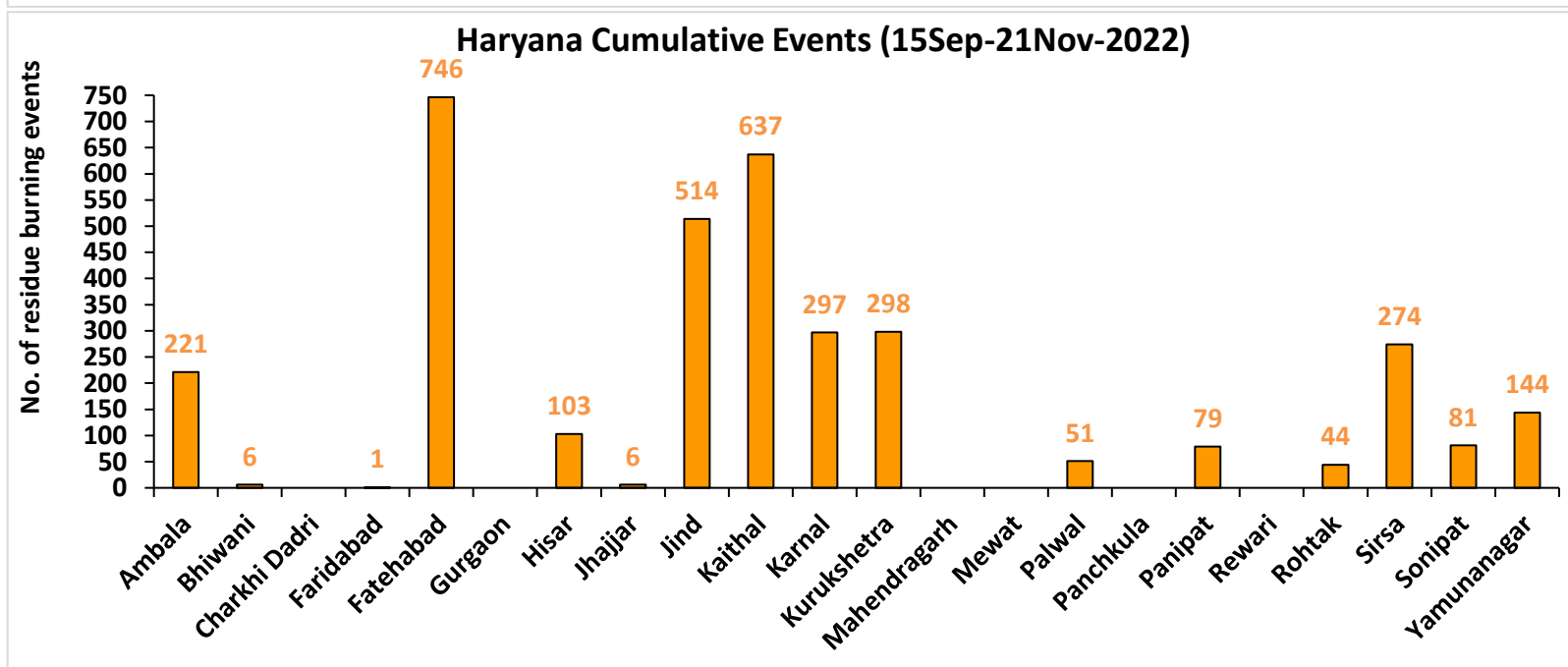
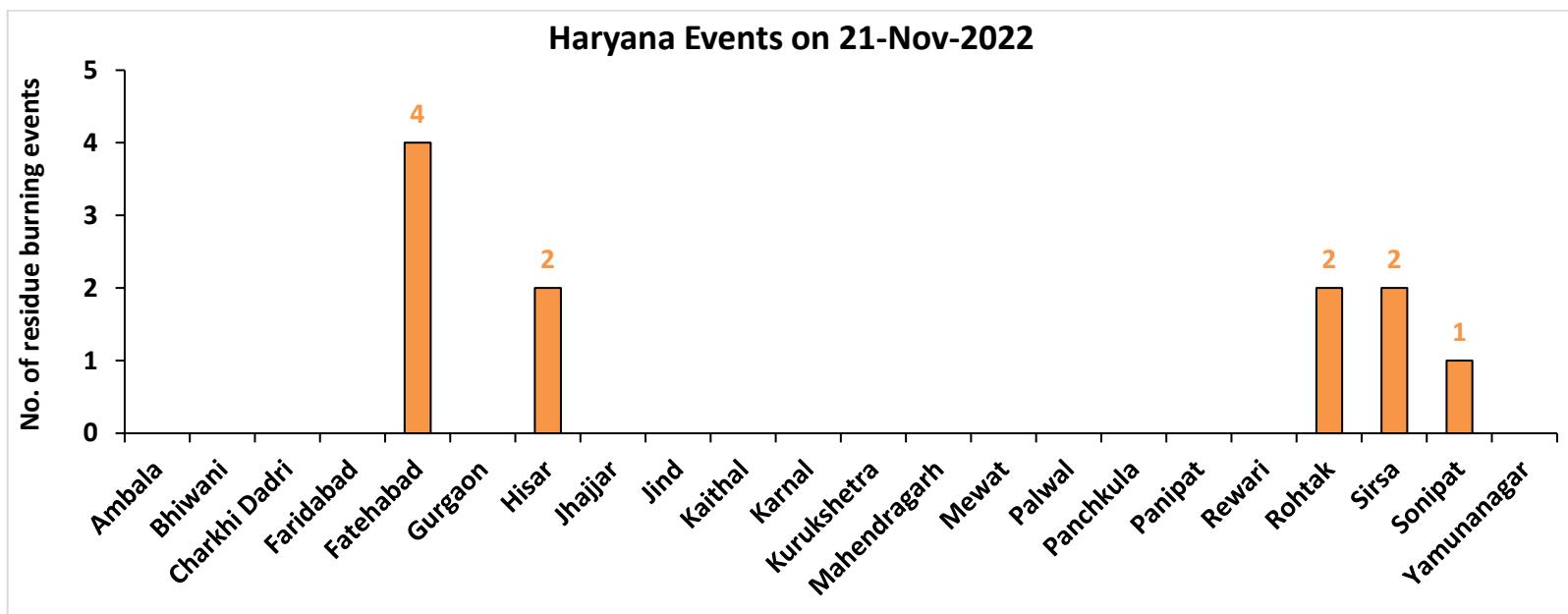
Fire Intensity (W/m²)

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



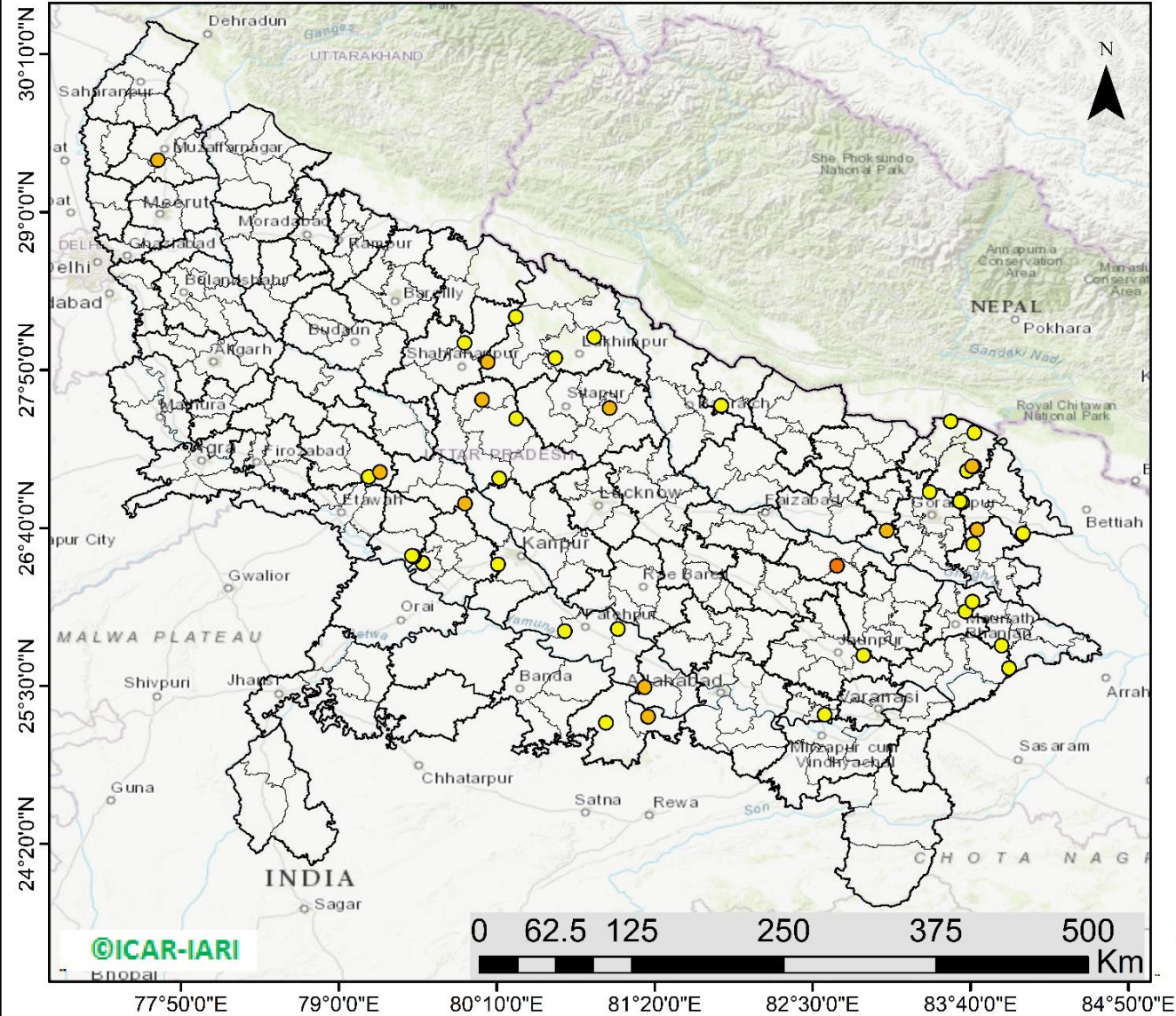
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Haryana (15Sep- 21Nov-2022)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



46 burning events detected in Uttar Pradesh on (21st Nov 2022)

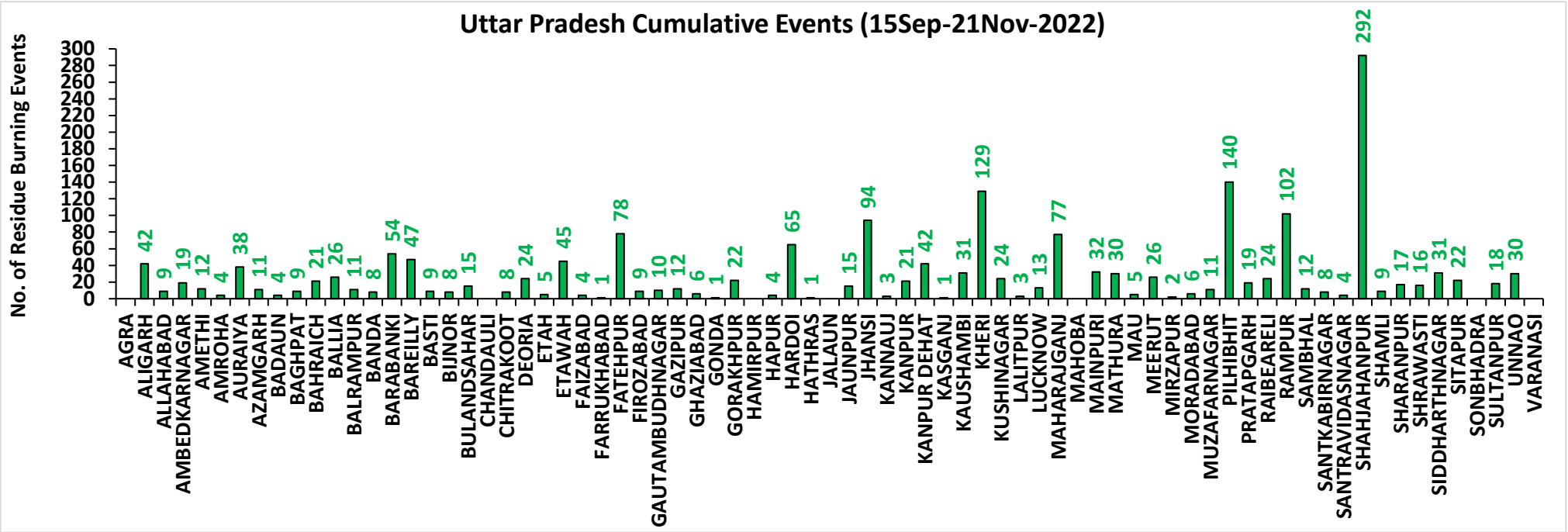
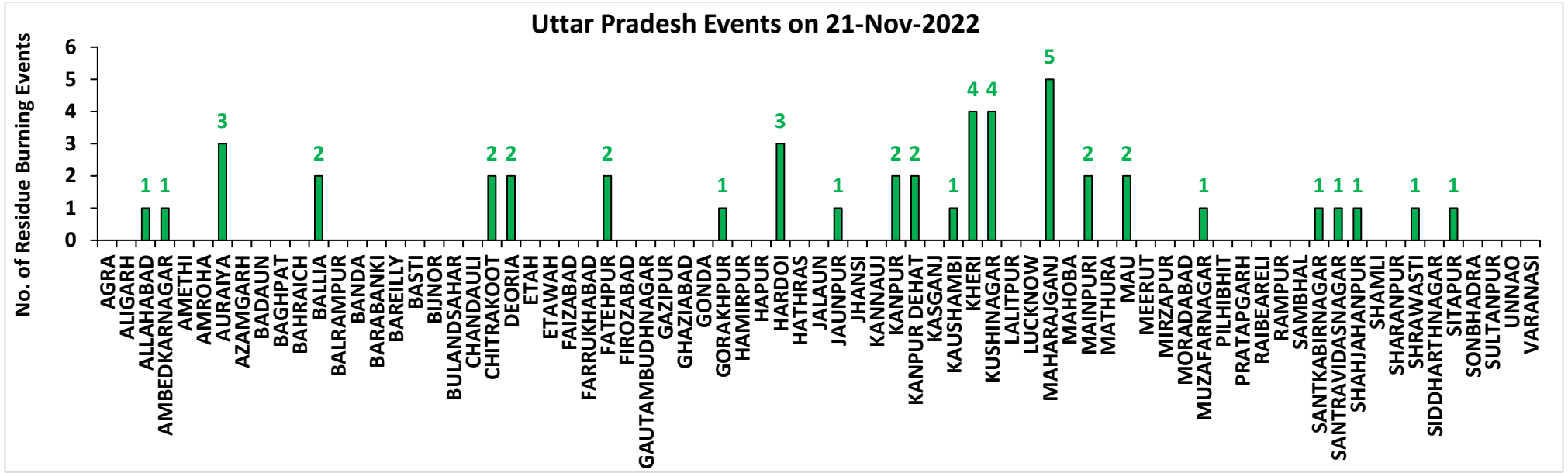
Fire Intensity (W/m²)

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

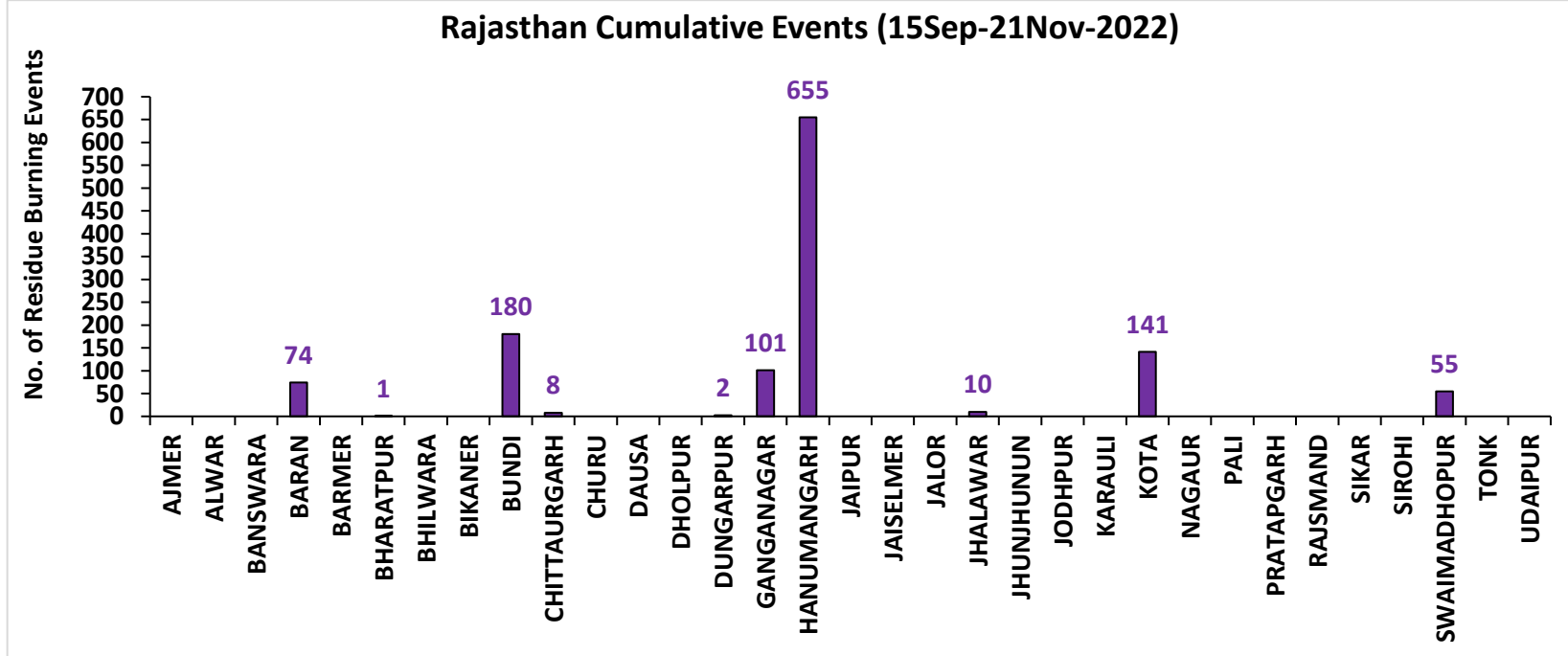
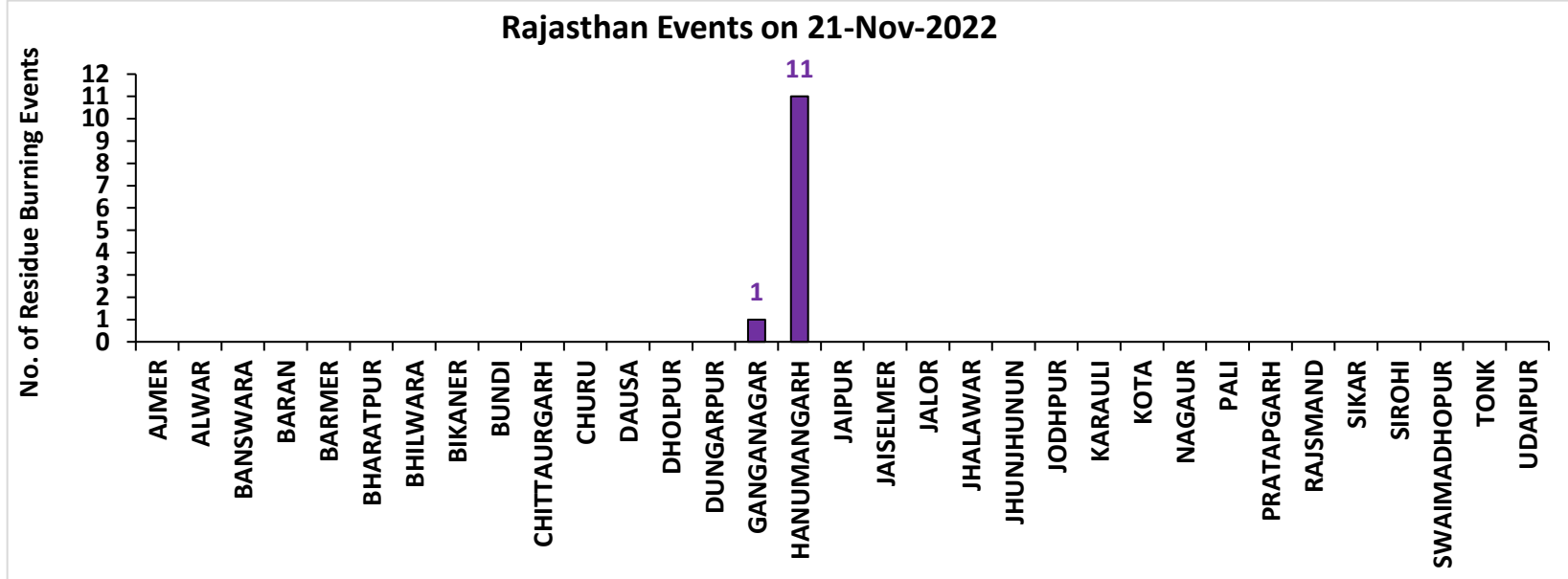


<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep- 21Nov-2022)

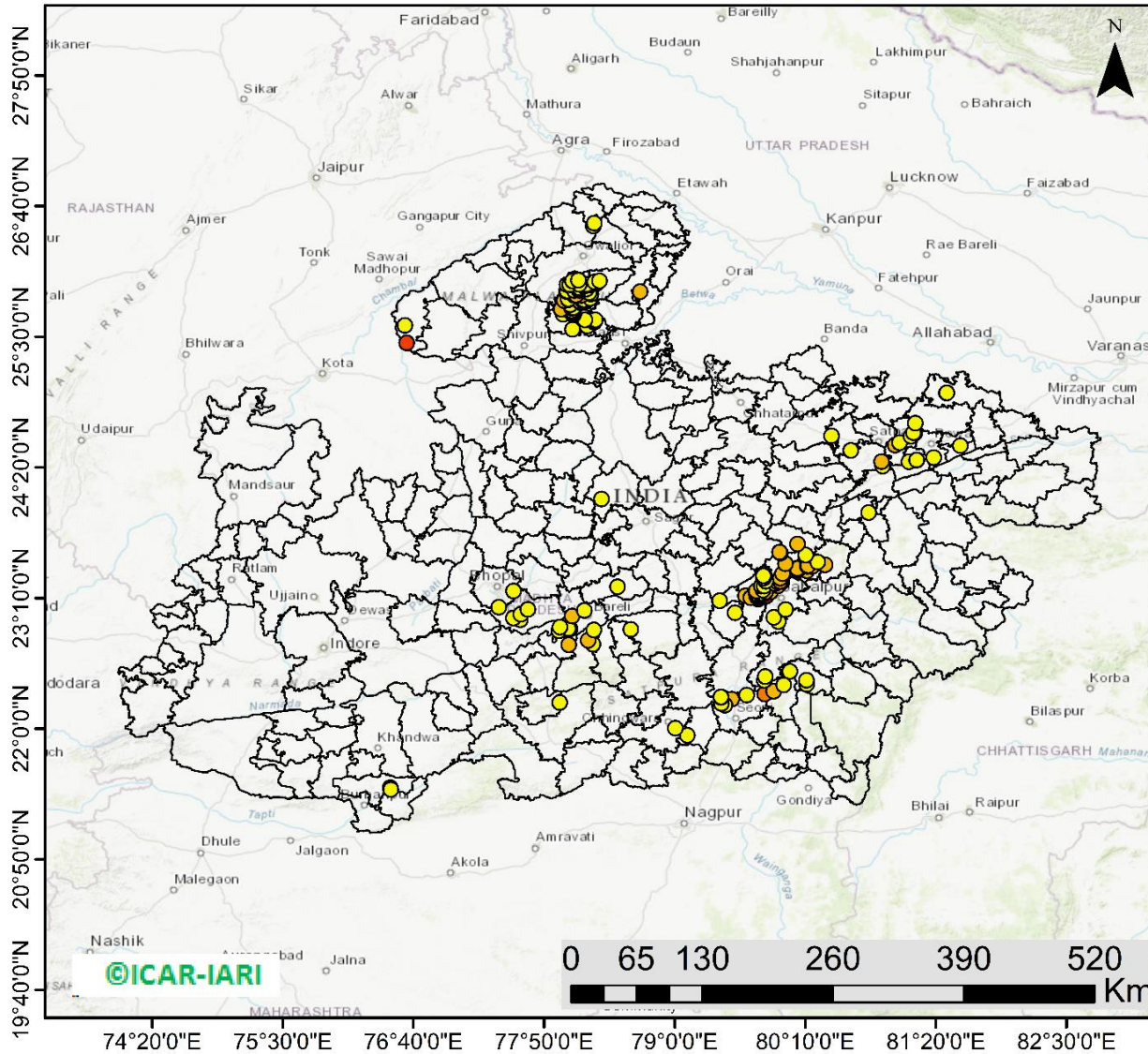


District-wise cumulative number of residues burning events in Rajasthan (15Sep- 21Nov-2022)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



196 burning events detected in MP on (21st Nov 2022)

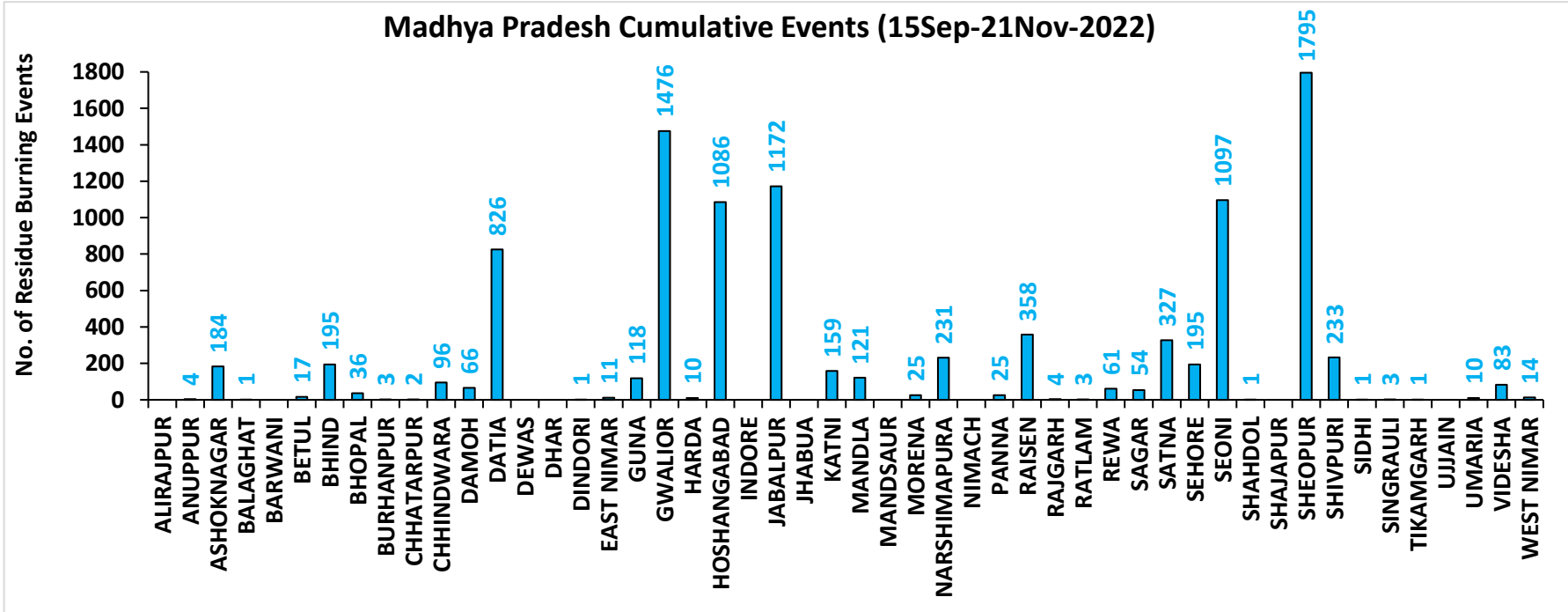
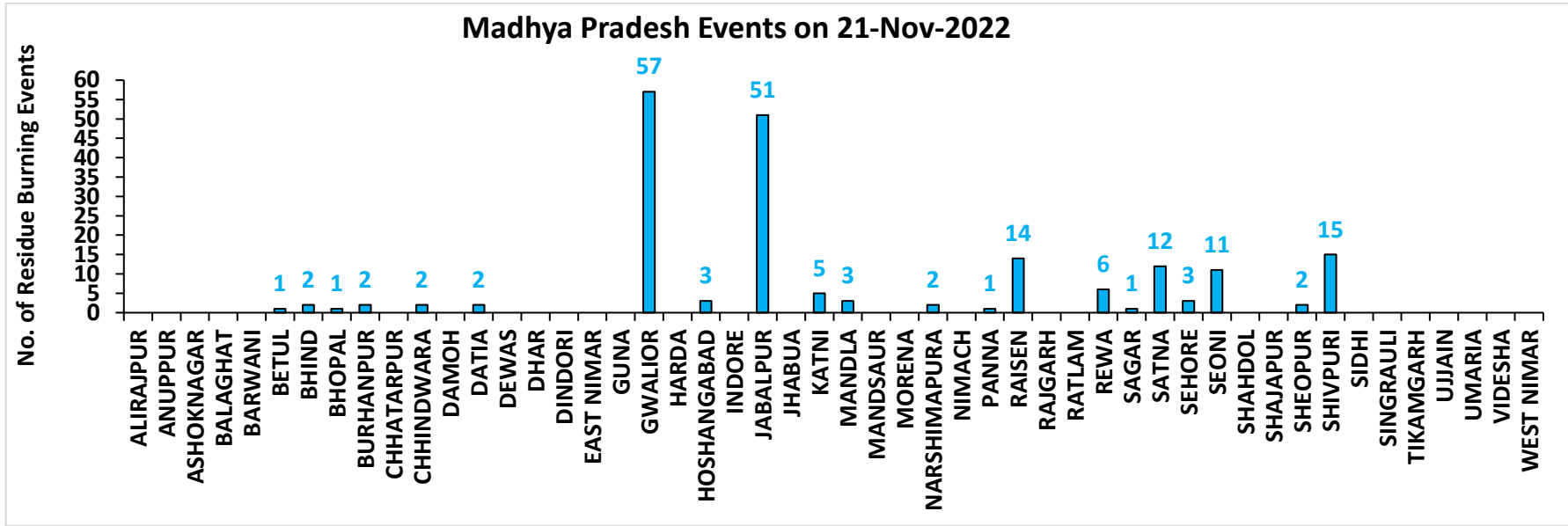
Fire Intensity (W/m²)

- 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- 21Nov-2022)



District-wise cumulative number of residues burning events detected in 2020 ,2021 and 2022
(Period: 15 September-21 November)

(a) Punjab

District	15 Sep-21 Nov 2022		
	2020	2021	2022
Amritsar	3059	2169	1538
Barnala	5321	4322	2904
Bathinda	5218	4465	4550
Faridkot	4726	3945	2680
Fatehgarh Sahib	1533	1717	1144
Fazilka	2517	2343	2520
Firozpur	8507	6269	4529
Gurdaspur	2122	1391	841
Hoshiarpur	386	328	256
Jalandhar	1937	2543	1378
Kapurthala	1882	1795	1275
Ludhiana	5043	5804	2667
Mansa	3771	3190	2791
Moga	7378	6498	3583
Muktsar	4985	4529	3767
Pathankot	13	6	1
Patiala	6427	5410	3392
Rupnagar	205	307	245
Sangrur	11713	9378	5912
SAS NAGAR (Mohali)	127	147	103
SBS Nagar	131	353	270
Tarn Taran	5603	4115	3180
Total	82604	71024	49526

(b) Haryana

District	15 Sep-21 Nov 2022		
	2020	2021	2022
AMBALA	345	301	221
BHIWANI	4	10	6
CHARKHI DADRI	0	0	0
FARIDABAD	1	3	1
FATEHABAD	811	1432	746
GURGAON	0	0	0
HISAR	50	194	103
JHAJJAR	6	7	6
JIND	340	866	514
KAITHAL	835	1149	637
KARNAL	581	951	297
KURUKSHETRA	406	538	298
MAHENDRAGARH	0	0	0
MEWAT	0	0	0
PALWAL	46	114	51
PANCHKULA	0	0	0
PANIPAT	49	226	79
REWARI	0	0	0
ROHTAK	45	49	44
SIRSA	219	468	274
SONIPAT	69	188	81
YAMUNANAGAR	142	146	144
Total	3949	6642	3502

(c) Uttar Pradesh

District	15 Sep-21 Nov 2022										
	2020	2021	2022	GAUTAMBUDHNAGAR	14	19	10	MUZAFARNAGAR	40	15	11
AGRA	7	0	0	GAZIPUR	14	14	12	PILHIBHIT	16	206	140
ALIGARH	112	39	42	GHAZIABAD	22	12	6	PRATAPGARH	37	23	19
ALLAHABAD	27	13	9	GONDA	12	9	1	RAIBEARELI	22	42	24
AMBEDKARNAGAR	20	14	19	GORAKHPUR	41	20	22	RAMPUR	155	185	102
AMETHI	3	14	12	HAMIRPUR	5	0	0	SAMBHAL	18	15	12
AMROHA	11	7	4	HAPUR	24	10	4	SANTKABIRNAGAR	28	14	8
AURAIYA	76	50	38	HARDOI	94	95	65	SANTRAVIDASNAGAR	4	1	4
AZAMGARH	45	7	11	HATHRAS	0	0	1	SHAHJAHANPUR	131	395	292
BADAUN	13	16	4	JALAUN	40	0	0	SHAMLI	46	37	9
BAGHPAT	16	11	9	JAUNPUR	37	15	15	SAHARANPUR	93	66	17
BAHRAICH	105	54	21	JHANSI	281	73	94	SHRAWASTI	45	36	16
BALLIA	85	21	26	KANNAUJ	33	6	3	SIDDHARTHANAGAR	71	105	31
BALRAMPUR	64	18	11	KANPUR	27	30	21	SITAPUR	51	46	22
BANDA	19	5	8	KANPUR DEHAT	73	37	42	SONBHADRA	0	0	0
BARABANKI	35	59	54	KASGANJ	2	2	1	SULTANPUR	4	16	18
BAREILLY	72	58	47	KAUSHAMBI	55	64	31	UNNAO	41	23	30
BASTI	53	44	9	KHERI	143	152	129	VARANASI	1	3	0
BIJNOR	36	35	8	KUSHINAGAR	66	13	24	Total	3403	2914	1951
BULANDSAHAR	53	8	15	LALITPUR	3	6	3				
CHANDAULI	3	0	0	LUCKNOW	35	32	13				
CHITRAKOOT	12	9	8	MAHARAJGANJ	47	79	77				
DEORIA	79	9	24	MAHOBA	27	0	0				
ETAH	17	10	5	MAINPURI	60	44	32				
ETAWAH	66	61	45	MATHURA	159	237	30				
FAIZABAD	9	4	4	MAU	23	9	5				
FARRUKHABAD	6	4	1	MEERUT	55	22	26				
FATEHPUR	106	81	78	MIRZAPUR	7	8	2				
FIROZABAD	26	17	9	MORADABAD	25	10	6				

(d) Delhi

District	15 Sep-21 Nov 2022		
	2020	2021	2022
CENTRAL	0	0	0
EAST	0	0	0
NEW DELHI	0	0	0
NORTH	3	3	8
NORTH EAST	0	0	0
NORTH WEST DELHI	3	1	0
SHAHADRA	0	0	0
SOUTH	1	0	0
SOUTH EAST	0	0	0
SOUTH WEST DELHI	0	0	0
WEST DELHI	2	0	1
Total	9	4	9

(e) Rajasthan

District	15 Sep-21 Nov 2022		
	2020	2021	2022
AJMER	3	0	0
ALWAR	9	0	0
BANSWARA	0	0	0
BARAN	166	11	74
BARMER	4	0	0
BHARATPUR	2	3	1
BHILWARA	11	0	0
BIKANER	1	0	0
BUNDI	128	84	180
CHITTAURGARH	1	12	8
CHURU	0	0	0
DAUSA	1	0	0
DHOLPUR	0	0	0
DUNGARPUR	0	0	2
GANGANAGAR	175	127	101
HANUMANGARH	837	811	655
JAIPUR	4	0	0
JAISELMER	5	0	0
JALOR	2	0	0
JHALAWAR	9	1	10
JHUNJHUNUN	1	0	0
JODHPUR	5	0	0
KARAULI	1	0	0
KOTA	116	56	141
NAGAUR	3	0	0
PALI	9	0	0
PRATAPGARH	8	0	0
RAJSMAND	1	0	0
SIKAR	0	0	0
SIROHI	2	0	0
SWAIMADHOPUR	65	34	55
TONK	5	0	0
UDAIPUR	2	1	0
Total	1576	1140	1227

(f) Madhya Pradesh

District	15 Sep-21 Nov 2022						
	2020	2021	2022	PANNA	49	18	25
ALIRAJPUR	0	0	0	RAISEN	587	286	358
ANUPPUR	0	1	4	RAJGARH	10	3	5
ASHOKNAGAR	152	87	184	RATLAM	3	5	3
BALAGHAT	5	4	1	REWA	126	65	61
BARWANI	3	0	0	SAGAR	28	30	54
BETUL	36	14	17	SATNA	547	309	327
BHIND	252	128	195	SEHORE	150	137	195
BHOPAL	49	35	36	SEONI	1228	882	1097
BURHANPUR	15	1	3	SHAHDOL	3	0	1
CHHATARPUR	7	0	2	SHAJAPUR	17	0	0
CHHINDWARA	127	54	96	SHEOPUR	1819	938	1795
DAMOH	74	51	66	SHIVPURI	350	52	233
DATIA	1183	443	826	SIDHI	4	2	1
DEWAS	8	0	0	SINGRAULI	0	4	3
DHAR	43	0	0	TIKAMGARH	4	0	1
DINDORI	0	0	1	UJJAIN	10	0	0
EAST NIMAR	22	7	11	UMARIA	7	5	10
GUNA	67	10	118	VIDESHA	134	91	83
GWALIOR	1975	387	1476	WEST NIMAR	63	10	14
HARDA	14	21	10	Total	13220	6137	10105
HOSHANGABAD	1056	1061	1086				
INDORE	4	0	0				
JABALPUR	2196	661	1171				
JHABUA	0	0	0				
KATNI	306	70	159				
MANDLA	141	95	121				
MANDSAUR	12	0	0				
MORENA	62	37	25				
NARSHIMAPURA	270	133	231				
NIMACH	2	0	0				

State-wise and date-wise number of paddy residue burning events detected in 2020, 2021 and 2022
(Period: 15 September - 21 November 2022)

Number of Paddy Residue Burning Events Detected

	Punjab			Haryana			Uttar Pradesh			Delhi			Rajasthan			Madhya Pradesh		
	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022	2020	2021	2022
15-Sep	5	0	14	2	0	0	1	0	0	0	0	0	1	0	0	2	0	0
16-Sep	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	5	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18-Sep	17	9	7	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
19-Sep	30	5	18	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20-Sep	67	8	10	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0
21-Sep	54	0	56	2	0	0	1	0	0	0	0	0	1	0	1	2	0	0
22-Sep	34	0	30	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
23-Sep	49	0	3	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
24-Sep	78	5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
25-Sep	184	11	0	11	0	0	5	0	0	0	0	0	1	0	0	0	0	0
26-Sep	190	19	0	5	0	0	8	0	0	0	0	0	1	0	0	2	0	0
27-Sep	78	37	0	8	0	0	4	1	0	0	0	0	0	0	0	1	0	0
28-Sep	55	28	0	6	1	0	1	6	0	0	0	0	0	0	0	1	1	0
29-Sep	63	64	0	9	4	0	6	10	0	0	0	0	3	0	0	0	4	0
30-Sep	116	27	8	22	2	0	13	13	10	1	0	0	1	0	0	5	0	0
01-Oct	165	13	45	15	4	1	7	13	3	0	0	0	4	1	1	13	0	1
02-Oct	141	0	83	30	2	7	12	0	36	1	0	0	7	0	3	12	0	1
03-Oct	110	9	75	8	6	8	4	3	29	0	0	0	9	0	2	5	1	5
04-Oct	162	23	65	29	2	7	8	0	2	0	0	0	15	0	0	4	2	0
05-Oct	161	18	130	17	3	24	14	2	0	0	0	2	14	0	1	13	1	0
06-Oct	171	42	85	30	0	26	12	1	0	1	0	0	16	0	0	37	1	0
07-Oct	197	72	62	32	11	6	41	13	0	0	0	0	14	1	1	31	1	0
08-Oct	95	108	19	29	27	0	25	11	0	0	0	0	11	0	0	17	2	0

09-Oct	121	114	3	20	39	1	15	20	0	0	0	0	12	0	0	15	4	0
10-Oct	232	150	4	33	95	2	9	54	0	0	0	0	14	1	0	18	10	0
11-Oct	377	64	45	90	51	0	23	28	0	0	0	0	21	7	1	32	2	0
12-Oct	388	97	104	69	51	4	46	23	0	0	0	0	24	1	2	44	1	1
13-Oct	266	132	120	47	91	15	36	42	0	0	0	0	7	5	2	21	2	7
14-Oct	605	229	82	69	98	30	9	68	5	0	0	0	16	1	1	15	11	1
15-Oct	449	660	169	106	363	36	15	149	0	0	0	0	9	8	2	8	27	2
16-Oct	654	429	206	80	176	76	21	121	6	1	0	0	12	2	4	23	13	2
17-Oct	1172	14	403	143	0	86	38	39	7	0	0	0	26	0	4	63	1	11
18-Oct	938	57	342	166	1	134	76	0	30	0	0	1	37	2	12	88	0	15
19-Oct	1080	496	436	72	55	122	43	5	36	0	0	0	27	5	12	49	1	12
20-Oct	890	788	96	62	155	78	31	1	17	0	0	0	26	4	4	9	21	7
21-Oct	1392	597	393	101	131	107	25	5	23	2	0	0	32	2	6	112	30	18
22-Oct	1665	1111	582	128	140	122	32	3	18	0	0	0	29	5	12	183	29	31
23-Oct	1438	620	902	106	218	217	84	8	109	1	0	0	23	7	20	204	32	70
24-Oct	911	0	1019	57	38	250	63	11	212	0	0	2	20	4	7	150	34	26
25-Oct	1416	76	181	155	71	12	50	18	9	1	0	0	18	2	4	144	60	0
26-Oct	2126	329	1238	77	175	123	33	41	23	0	0	0	34	3	21	178	55	57
27-Oct	2563	279	1111	96	93	83	40	58	23	0	0	0	42	1	21	294	62	38
28-Oct	3232	906	2067	139	149	123	87	35	34	0	0	0	45	4	46	537	110	143
29-Oct	1624	1353	1898	52	161	112	139	32	73	0	0	0	29	23	37	349	97	151
30-Oct	3946	1373	1761	100	148	112	50	53	43	0	0	0	17	20	55	428	168	119
31-Oct	3531	2895	2131	108	353	70	49	170	20	0	0	0	37	15	36	455	299	112
01-Nov	3835	1796	1842	151	124	88	74	157	9	0	0	1	51	5	27	709	198	142
02-Nov	4098	3001	3634	111	203	166	82	87	25	0	0	0	55	19	63	820	214	284
03-Nov	2818	2512	2666	93	197	128	197	66	40	1	0	1	34	20	54	771	148	323
04-Nov	4584	3032	2437	72	228	63	152	123	61	0	0	2	46	19	34	618	123	348
05-Nov	4529	5327	2817	66	331	90	52	70	24	0	0	0	46	45	91	474	320	319
06-Nov	5382	3942	599	151	219	46	43	208	28	0	0	0	40	32	27	678	248	392
07-Nov	5491	5199	2487	150	182	37	86	46	8	0	0	0	57	38	80	848	199	383
08-Nov	3674	4397	604	115	138	11	169	21	44	0	0	0	33	44	5	981	170	783

09-Nov	1718	5079	1778	21	217	69	115	51	58	0	1	0	34	48	22	495	330	570
10-Nov	3127	4008	1893	80	184	35	101	77	33	0	0	0	48	40	34	346	380	282
11-Nov	2822	4156	3916	93	126	152	71	151	36	0	1	0	75	55	95	418	506	482
12-Nov	1989	3403	2467	83	127	99	108	120	36	0	0	0	31	40	84	422	185	421
13-Nov	2441	3742	2175	105	210	132	172	95	102	0	2	0	54	78	63	670	171	773
14-Nov	307	2541	4	35	195	17	258	49	101	0	0	0	16	88	1	294	346	633
15-Nov	32	1761	141	31	129	21	29	67	84	0	0	0	6	51	2	35	353	507
16-Nov	8	1757	1358	0	269	84	15	138	48	0	0	0	16	81	78	145	660	316
17-Nov	248	523	966	9	101	39	38	177	50	0	0	0	60	38	48	191	261	416
18-Nov	670	680	701	60	111	108	62	14	66	0	0	0	75	77	55	352	126	524
19-Nov	454	448	426	37	132	79	129	11	116	0	0	0	27	73	19	124	16	625
20-Nov	677	283	368	77	127	32	134	20	168	0	0	0	59	53	15	106	6	556
21-Nov	457	168	243	65	178	11	135	106	46	0	0	0	57	72	12	159	95	196
Total	82604	71024	49526	3949	6642	3502	3403	2914	1951	9	4	9	1576	1140	1227	13220	6137	10105

Details of residue burning events in Punjab on 21-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.99650	74.83380	14:25:44	D	5.50
2	BARNALA	BARNALA	S-NPP	30.37960	75.67010	12:45:27	D	1.80
3	BARNALA	MAHAL KALAN	S-NPP	30.47430	75.51150	12:45:27	D	2.00
4	BATHINDA	BHAGTA BHAI KA	S-NPP	30.48010	75.18140	12:45:27	D	6.50
5	BATHINDA	BHAGTA BHAI KA	S-NPP	30.48120	75.18560	12:45:27	D	6.50
6	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50650	75.19540	12:45:27	D	5.80
7	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50690	75.19510	12:45:27	D	5.80
8	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50790	75.19920	12:45:27	D	6.40
9	BATHINDA	BHAGTA BHAI KA	S-NPP	30.52760	75.13900	12:45:27	D	4.40
10	BATHINDA	GONIANA MANDI	S-NPP	30.37220	74.86650	12:45:27	D	13.00
11	BATHINDA	MAUR	S-NPP	30.08180	75.04680	12:45:27	D	1.00
12	BATHINDA	NATHANA	AQUA	30.29600	75.01300	14:15:48	D	16.70
13	BATHINDA	NATHANA	S-NPP	30.28880	75.12960	14:25:44	D	4.60
14	BATHINDA	NATHANA	S-NPP	30.36230	75.04440	14:25:44	D	17.80
15	BATHINDA	PHUL	S-NPP	30.31420	75.21530	12:45:27	D	7.80
16	BATHINDA	RAMPURA	S-NPP	30.15770	75.23360	12:45:27	D	6.70
17	BATHINDA	TALWANDI SABO	AQUA	29.99900	75.05400	14:15:48	D	72.80
18	BATHINDA	TALWANDI SABO	AQUA	30.00300	75.04600	14:15:48	D	45.90
19	BATHINDA	TALWANDI SABO	AQUA	30.00500	75.06700	14:15:48	D	25.20
20	FARIDKOT	FARIDKOT	AQUA	30.70000	74.79200	14:15:48	D	15.00
21	FARIDKOT	FARIDKOT	TERRA	30.70700	74.82300	10:44:49	D	8.40
22	FARIDKOT	FARIDKOT	S-NPP	30.64160	74.63420	14:25:44	D	14.00
23	FARIDKOT	FARIDKOT	S-NPP	30.64460	74.81970	12:45:27	D	6.70
24	FARIDKOT	FARIDKOT	S-NPP	30.64670	74.81850	12:45:27	D	9.80
25	FARIDKOT	FARIDKOT	S-NPP	30.64780	74.82290	12:45:27	D	13.00
26	FARIDKOT	FARIDKOT	S-NPP	30.64800	74.63380	14:25:44	D	8.80
27	FARIDKOT	FARIDKOT	S-NPP	30.65010	74.81790	12:45:27	D	6.70
28	FARIDKOT	FARIDKOT	S-NPP	30.66200	74.65660	14:25:44	D	3.00
29	FARIDKOT	FARIDKOT	S-NPP	30.76330	74.78290	12:45:27	D	2.10
30	FARIDKOT	FARIDKOT	S-NPP	30.77540	74.71290	12:45:27	D	5.20

31	FARIDKOT	FARIDKOT	S-NPP	30.80960	74.63540	14:25:44	D	4.70
32	FARIDKOT	FARIDKOT	S-NPP	30.81150	74.63290	14:25:44	D	4.60
33	FARIDKOT	JAITON	AQUA	30.40900	74.84600	14:15:48	D	14.00
34	FARIDKOT	JAITON	S-NPP	30.42820	74.86270	12:45:27	D	4.00
35	FARIDKOT	JAITON	S-NPP	30.43070	74.86130	12:45:27	D	4.10
36	FARIDKOT	JAITON	S-NPP	30.53460	74.95370	12:45:27	D	3.20
37	FARIDKOT	KOT KAPURA	AQUA	30.63200	74.88900	14:15:48	D	29.70
38	FARIDKOT	KOT KAPURA	AQUA	30.63400	74.88400	14:15:48	D	27.70
39	FARIDKOT	KOT KAPURA	S-NPP	30.56630	74.85470	12:45:27	D	3.50
40	FATEHGARH SAHIB	SIRHIND	S-NPP	30.63020	76.34870	12:45:27	D	1.80
41	FAZILKA	ABOHAR	S-NPP	30.15450	74.34960	14:25:44	D	7.90
42	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.33700	74.22800	14:15:48	D	16.50
43	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.32970	74.30660	14:25:44	D	4.30
44	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.41030	74.14720	12:45:27	D	3.90
45	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.41850	74.15480	12:45:27	D	5.80
46	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.42300	74.14810	12:45:27	D	5.30
47	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.43240	74.15910	14:25:44	D	3.00
48	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.45410	74.12660	14:25:44	D	8.40
49	FAZILKA	FAZILKA	AQUA	30.35400	74.04200	14:15:48	D	14.90
50	FAZILKA	FAZILKA	AQUA	30.45300	74.03500	14:15:48	D	16.20
51	FAZILKA	FAZILKA	AQUA	30.45800	74.08900	14:15:48	D	31.20
52	FAZILKA	FAZILKA	AQUA	30.45900	74.07700	14:15:48	D	10.10
53	FAZILKA	FAZILKA	AQUA	30.46100	74.09500	14:15:48	D	27.30
54	FAZILKA	FAZILKA	S-NPP	30.36070	73.97990	12:45:27	D	21.80
55	FAZILKA	FAZILKA	S-NPP	30.38880	73.93560	14:25:44	D	9.60
56	FAZILKA	FAZILKA	S-NPP	30.40320	74.07120	12:45:27	D	3.40
57	FAZILKA	FAZILKA	S-NPP	30.42380	74.12710	12:45:27	D	3.60
58	FAZILKA	FAZILKA	S-NPP	30.45520	74.12470	14:25:44	D	10.10
59	FAZILKA	FAZILKA	S-NPP	30.46240	74.05000	14:25:44	D	3.50
60	FAZILKA	FAZILKA	S-NPP	30.46770	74.03340	14:25:44	D	23.20
61	FAZILKA	FAZILKA	S-NPP	30.46830	74.03160	14:25:44	D	27.90
62	FAZILKA	FAZILKA	S-NPP	30.46860	74.03700	14:25:44	D	27.80
63	FAZILKA	FAZILKA	S-NPP	30.47390	74.03300	14:25:44	D	47.80

64	FAZILKA	FAZILKA	S-NPP	30.47440	74.03120	14:25:44	D	27.90
65	FAZILKA	FAZILKA	S-NPP	30.53010	74.04530	14:25:44	D	3.10
66	FAZILKA	JALALABAD	AQUA	30.43700	74.21000	14:15:48	D	12.80
67	FAZILKA	JALALABAD	AQUA	30.46600	74.26200	14:15:48	D	34.40
68	FAZILKA	JALALABAD	AQUA	30.46800	74.28100	14:15:48	D	16.10
69	FAZILKA	JALALABAD	AQUA	30.47600	74.27300	14:15:48	D	18.50
70	FAZILKA	JALALABAD	AQUA	30.51800	74.34400	14:15:48	D	7.60
71	FAZILKA	JALALABAD	AQUA	30.63300	74.22800	14:15:48	D	16.70
72	FAZILKA	JALALABAD	S-NPP	30.44140	74.20790	14:25:44	D	3.30
73	FAZILKA	JALALABAD	S-NPP	30.46770	74.26920	14:25:44	D	8.40
74	FAZILKA	JALALABAD	S-NPP	30.46800	74.27470	14:25:44	D	8.40
75	FAZILKA	JALALABAD	S-NPP	30.47010	74.27260	14:25:44	D	22.30
76	FAZILKA	JALALABAD	S-NPP	30.47400	74.26870	14:25:44	D	5.50
77	FAZILKA	JALALABAD	S-NPP	30.51240	74.32890	12:45:27	D	1.80
78	FAZILKA	JALALABAD	S-NPP	30.51680	74.34650	12:45:27	D	1.60
79	FAZILKA	JALALABAD	S-NPP	30.51730	74.34740	12:45:27	D	2.50
80	FAZILKA	JALALABAD	S-NPP	30.53430	74.34330	14:25:44	D	16.60
81	FAZILKA	JALALABAD	S-NPP	30.53460	74.34890	14:25:44	D	16.60
82	FAZILKA	JALALABAD	S-NPP	30.54880	74.23030	12:45:27	D	4.00
83	FAZILKA	JALALABAD	S-NPP	30.55470	74.37020	14:25:44	D	5.60
84	FAZILKA	JALALABAD	S-NPP	30.55500	74.37580	14:25:44	D	7.40
85	FAZILKA	JALALABAD	S-NPP	30.58260	74.15070	12:45:27	D	3.50
86	FAZILKA	KHUIAN SARWAR	AQUA	30.29200	74.01400	14:15:48	D	15.40
87	FAZILKA	KHUIAN SARWAR	AQUA	30.35200	74.02400	14:15:48	D	28.70
88	FAZILKA	KHUIAN SARWAR	S-NPP	30.25860	74.03280	14:25:44	D	14.50
89	FAZILKA	KHUIAN SARWAR	S-NPP	30.25880	74.02860	14:25:44	D	7.40
90	FAZILKA	KHUIAN SARWAR	S-NPP	30.25910	74.03390	14:25:44	D	13.60
91	FAZILKA	KHUIAN SARWAR	S-NPP	30.26330	74.00170	14:25:44	D	6.00
92	FAZILKA	KHUIAN SARWAR	S-NPP	30.28310	73.98370	12:45:27	D	3.50
93	FAZILKA	KHUIAN SARWAR	S-NPP	30.31120	74.00730	12:45:27	D	3.60
94	FIROZPUR	FIROZPUR	S-NPP	30.91890	74.57570	14:25:44	D	4.10
95	FIROZPUR	FIROZPUR	S-NPP	31.10110	74.80620	12:45:27	D	1.80
96	FIROZPUR	GHALL KHURD	S-NPP	30.96740	74.71580	12:45:27	D	1.50

97	FIROZPUR	GURUHAR SAHAI	AQUA	30.55600	74.35800	14:15:48	D	14.20
98	FIROZPUR	GURUHAR SAHAI	AQUA	30.55800	74.37700	14:15:48	D	38.90
99	FIROZPUR	GURUHAR SAHAI	AQUA	30.60500	74.30800	14:15:48	D	10.10
100	FIROZPUR	GURUHAR SAHAI	AQUA	30.62800	74.30500	14:15:48	D	29.10
101	FIROZPUR	GURUHAR SAHAI	AQUA	30.65000	74.39800	14:15:48	D	35.50
102	FIROZPUR	GURUHAR SAHAI	AQUA	30.65100	74.41800	14:15:48	D	16.20
103	FIROZPUR	GURUHAR SAHAI	AQUA	30.71800	74.40200	14:15:48	D	22.10
104	FIROZPUR	GURUHAR SAHAI	AQUA	30.71900	74.42100	14:15:48	D	11.10
105	FIROZPUR	GURUHAR SAHAI	S-NPP	30.56190	74.37760	12:45:27	D	3.90
106	FIROZPUR	GURUHAR SAHAI	S-NPP	30.56310	74.38220	12:45:27	D	3.90
107	FIROZPUR	GURUHAR SAHAI	S-NPP	30.60810	74.31600	14:25:44	D	4.00
108	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62390	74.40480	12:45:27	D	4.90
109	FIROZPUR	GURUHAR SAHAI	S-NPP	30.62430	74.40640	12:45:27	D	6.80
110	FIROZPUR	GURUHAR SAHAI	S-NPP	30.63680	74.41980	14:25:44	D	8.80
111	FIROZPUR	GURUHAR SAHAI	S-NPP	30.64850	74.40190	14:25:44	D	35.70
112	FIROZPUR	GURUHAR SAHAI	S-NPP	30.64880	74.40760	14:25:44	D	72.30
113	FIROZPUR	GURUHAR SAHAI	S-NPP	30.65510	74.40720	14:25:44	D	72.30
114	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71210	74.31650	12:45:27	D	1.50
115	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71660	74.31730	14:25:44	D	3.60
116	FIROZPUR	MAMDOT	S-NPP	30.84090	74.33510	14:25:44	D	4.20
117	FIROZPUR	ZIRA	AQUA	30.95700	75.01600	14:15:48	D	13.40
118	FIROZPUR	ZIRA	S-NPP	30.95590	75.01380	12:45:27	D	6.60
119	JALANDHAR	JALANDHAR WEST	S-NPP	31.40790	75.46950	14:25:44	D	3.00
120	KAPURTHALA	KAPURTHALA	S-NPP	31.40300	75.43780	12:45:27	D	3.50
121	LUDHIANA	JAGRAON	S-NPP	30.73830	75.53870	14:25:44	D	5.60
122	LUDHIANA	JAGRAON	S-NPP	30.74130	75.53930	14:25:44	D	11.40
123	LUDHIANA	LUDHIANA-1	S-NPP	30.88050	75.99430	01:35:27	N	0.40
124	LUDHIANA	PAKHOWAL	S-NPP	30.65660	75.76620	12:45:27	D	3.20
125	LUDHIANA	PAKHOWAL	S-NPP	30.70020	75.65210	12:45:27	D	9.50
126	LUDHIANA	RAIKOT	S-NPP	30.61340	75.68050	12:45:27	D	2.00
127	LUDHIANA	RAIKOT	S-NPP	30.61590	75.67920	12:45:27	D	1.90
128	MANSA	BHIKHI	S-NPP	30.03290	75.50530	12:45:27	D	4.70
129	MANSA	BHIKHI	S-NPP	30.03430	75.50710	12:45:27	D	6.40

130	MANSA	BHIKHI	S-NPP	30.11240	75.40520	12:45:27	D	7.10
131	MANSA	BHIKHI	S-NPP	30.11300	75.40450	12:45:27	D	3.10
132	MANSA	BHIKHI	S-NPP	30.11400	75.40860	12:45:27	D	3.10
133	MANSA	BHIKHI	S-NPP	30.18020	75.46710	12:45:27	D	3.80
134	MANSA	BUDHLADA	S-NPP	29.79270	75.44660	14:25:44	D	6.10
135	MANSA	BUDHLADA	S-NPP	29.79700	75.44430	14:25:44	D	8.90
136	MANSA	JHUNIR	S-NPP	29.88970	75.21640	14:25:44	D	7.70
137	MANSA	JHUNIR	S-NPP	29.89130	75.21670	14:25:44	D	12.60
138	MANSA	JHUNIR	S-NPP	29.92520	75.20530	12:45:27	D	8.30
139	MANSA	MANSA	S-NPP	29.98400	75.30030	12:45:27	D	4.70
140	MANSA	SARDULGARH	S-NPP	29.69710	75.26880	12:45:27	D	3.40
141	MANSA	SARDULGARH	S-NPP	29.70260	75.26710	12:45:27	D	3.60
142	MANSA	SARDULGARH	S-NPP	29.71180	75.27970	14:25:44	D	8.30
143	MOGA	BAGHA PURANA	S-NPP	30.61780	75.05930	12:45:27	D	1.20
144	MOGA	BAGHA PURANA	S-NPP	30.64110	75.22240	12:45:27	D	3.70
145	MOGA	BAGHA PURANA	S-NPP	30.71180	74.99200	12:45:27	D	8.90
146	MOGA	BAGHA PURANA	S-NPP	30.71730	74.99020	12:45:27	D	8.90
147	MOGA	BAGHA PURANA	S-NPP	30.72450	75.04250	12:45:27	D	18.60
148	MOGA	BAGHA PURANA	S-NPP	30.72560	75.04660	12:45:27	D	28.80
149	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.87360	75.24520	12:45:27	D	4.50
150	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.87900	75.24340	12:45:27	D	4.50
151	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88050	75.13250	12:45:27	D	3.90
152	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88150	75.13660	12:45:27	D	3.90
153	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88510	75.08730	14:25:44	D	7.50
154	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88590	75.13070	12:45:27	D	3.90
155	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88690	75.13480	12:45:27	D	3.90
156	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.90110	75.33200	12:45:27	D	4.00
157	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.91250	75.14410	12:45:27	D	9.40
158	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.02520	75.10700	12:45:27	D	2.40
159	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.02570	75.10690	12:45:27	D	2.10
160	MOGA	MOGA-1	S-NPP	30.71480	75.16700	12:45:27	D	2.70
161	MOGA	MOGA-1	S-NPP	30.71490	75.16700	12:45:27	D	2.30
162	MOGA	MOGA-1	S-NPP	30.81510	75.13550	14:25:44	D	5.30

163	MOGA	MOGA-1	S-NPP	30.86620	75.33290	12:45:27	D	2.10
164	MOGA	MOGA-2	S-NPP	30.87460	75.08530	12:45:27	D	1.80
165	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.23570	74.71260	12:45:27	D	1.90
166	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.24760	74.54180	12:45:27	D	1.90
167	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.37190	74.55710	14:25:44	D	14.40
168	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.37530	74.55920	14:25:44	D	11.60
169	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.42370	74.72640	12:45:27	D	8.60
170	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.42480	74.73080	12:45:27	D	8.60
171	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.47760	74.63190	14:25:44	D	8.30
172	MUKTSAR	LAMBI	AQUA	29.97600	74.57400	14:15:48	D	68.20
173	MUKTSAR	LAMBI	AQUA	29.98300	74.56600	14:15:48	D	58.90
174	MUKTSAR	LAMBI	AQUA	29.98500	74.58500	14:15:48	D	20.20
175	MUKTSAR	LAMBI	S-NPP	29.99330	74.42750	12:45:27	D	2.30
176	MUKTSAR	LAMBI	S-NPP	30.12140	74.59860	12:45:27	D	3.40
177	MUKTSAR	LAMBI	S-NPP	30.12200	74.60220	12:45:27	D	5.60
178	MUKTSAR	LAMBI	S-NPP	30.12260	74.60310	12:45:27	D	3.40
179	MUKTSAR	MALOUT	AQUA	30.24100	74.30400	14:15:48	D	12.50
180	MUKTSAR	MALOUT	AQUA	30.29200	74.33500	14:15:48	D	13.30
181	MUKTSAR	MALOUT	S-NPP	30.28430	74.45690	14:25:44	D	3.10
182	MUKTSAR	MALOUT	S-NPP	30.33740	74.34060	12:45:27	D	6.00
183	MUKTSAR	MALOUT	S-NPP	30.34840	74.40760	12:45:27	D	5.70
184	MUKTSAR	MALOUT	S-NPP	30.35410	74.40570	12:45:27	D	4.80
185	MUKTSAR	MALOUT	S-NPP	30.35560	74.32170	14:25:44	D	6.30
186	MUKTSAR	MALOUT	S-NPP	30.36420	74.39730	12:45:27	D	1.40
187	MUKTSAR	MUKTSAR	AQUA	30.36900	74.43300	14:15:48	D	22.90
188	MUKTSAR	MUKTSAR	AQUA	30.39900	74.37100	14:15:48	D	10.50
189	MUKTSAR	MUKTSAR	AQUA	30.43600	74.62000	14:15:48	D	15.80
190	MUKTSAR	MUKTSAR	AQUA	30.48500	74.56900	14:15:48	D	19.50
191	MUKTSAR	MUKTSAR	AQUA	30.51600	74.57800	14:15:48	D	11.30
192	MUKTSAR	MUKTSAR	AQUA	30.51800	74.59700	14:15:48	D	29.60
193	MUKTSAR	MUKTSAR	AQUA	30.52300	74.58400	14:15:48	D	24.40
194	MUKTSAR	MUKTSAR	AQUA	30.56100	74.41500	14:15:48	D	47.00
195	MUKTSAR	MUKTSAR	S-NPP	30.37250	74.44230	14:25:44	D	13.40

196	MUKTSAR	MUKTSAR	S-NPP	30.37480	74.43880	14:25:44	D	8.60
197	MUKTSAR	MUKTSAR	S-NPP	30.41450	74.35590	12:45:27	D	2.90
198	MUKTSAR	MUKTSAR	S-NPP	30.41500	74.35500	12:45:27	D	3.20
199	MUKTSAR	MUKTSAR	S-NPP	30.42310	74.56540	14:25:44	D	3.10
200	MUKTSAR	MUKTSAR	S-NPP	30.42500	74.37250	12:45:27	D	3.50
201	MUKTSAR	MUKTSAR	S-NPP	30.42950	74.33100	14:25:44	D	4.90
202	MUKTSAR	MUKTSAR	S-NPP	30.43660	74.56200	12:45:27	D	3.20
203	MUKTSAR	MUKTSAR	S-NPP	30.44210	74.53560	12:45:27	D	5.50
204	MUKTSAR	MUKTSAR	S-NPP	30.44260	74.53570	12:45:27	D	6.10
205	MUKTSAR	MUKTSAR	S-NPP	30.46740	74.44740	14:25:44	D	10.00
206	MUKTSAR	MUKTSAR	S-NPP	30.47050	74.39040	14:25:44	D	7.60
207	MUKTSAR	MUKTSAR	S-NPP	30.47940	74.62850	14:25:44	D	7.60
208	MUKTSAR	MUKTSAR	S-NPP	30.48950	74.57520	14:25:44	D	3.80
209	MUKTSAR	MUKTSAR	S-NPP	30.49000	74.45960	14:25:44	D	4.70
210	MUKTSAR	MUKTSAR	S-NPP	30.51040	74.58660	12:45:27	D	14.20
211	MUKTSAR	MUKTSAR	S-NPP	30.52010	74.59430	14:25:44	D	19.90
212	MUKTSAR	MUKTSAR	S-NPP	30.52210	74.59070	14:25:44	D	10.30
213	MUKTSAR	MUKTSAR	S-NPP	30.52240	74.59650	14:25:44	D	18.10
214	MUKTSAR	MUKTSAR	S-NPP	30.52290	74.41960	12:45:27	D	2.70
215	MUKTSAR	MUKTSAR	S-NPP	30.52390	74.42030	12:45:27	D	2.70
216	MUKTSAR	MUKTSAR	S-NPP	30.54040	74.45650	14:25:44	D	8.00
217	MUKTSAR	MUKTSAR	S-NPP	30.54380	74.52650	12:45:27	D	5.50
218	MUKTSAR	MUKTSAR	S-NPP	30.54490	74.53100	12:45:27	D	8.00
219	MUKTSAR	MUKTSAR	S-NPP	30.55820	74.48710	12:45:27	D	3.10
220	MUKTSAR	MUKTSAR	S-NPP	30.56020	74.58830	14:25:44	D	28.30
221	MUKTSAR	MUKTSAR	S-NPP	30.56330	74.40700	12:45:27	D	10.60
222	MUKTSAR	MUKTSAR	S-NPP	30.56340	74.41510	14:25:44	D	11.90
223	MUKTSAR	MUKTSAR	S-NPP	30.56360	74.43180	12:45:27	D	2.30
224	MUKTSAR	MUKTSAR	S-NPP	30.56380	74.42080	14:25:44	D	10.90
225	MUKTSAR	MUKTSAR	S-NPP	30.56450	74.41160	12:45:27	D	10.60
226	MUKTSAR	MUKTSAR	S-NPP	30.57220	74.57590	14:25:44	D	13.30
227	MUKTSAR	MUKTSAR	S-NPP	30.57430	74.49740	12:45:27	D	5.30
228	MUKTSAR	MUKTSAR	S-NPP	30.57460	74.40320	12:45:27	D	3.20

229	MUKTSAR	MUKTSAR	S-NPP	30.57530	74.60370	12:45:27	D	8.10
230	MUKTSAR	MUKTSAR	S-NPP	30.57620	74.59930	12:45:27	D	12.20
231	MUKTSAR	MUKTSAR	S-NPP	30.57730	74.60370	12:45:27	D	12.20
232	MUKTSAR	MUKTSAR	S-NPP	30.57970	74.59730	12:45:27	D	8.10
233	MUKTSAR	MUKTSAR	S-NPP	30.58090	74.60180	12:45:27	D	8.10
234	SANGRUR	MALERKOTLA-1	S-NPP	30.39810	76.00290	12:45:27	D	2.70
235	SANGRUR	MALERKOTLA-1	S-NPP	30.48000	76.00060	12:45:27	D	2.80
236	SANGRUR	MALERKOTLA-1	S-NPP	30.48150	76.00060	12:45:27	D	3.40
237	SANGRUR	MALERKOTLA-2	S-NPP	30.65750	75.84740	12:45:27	D	2.90
238	SANGRUR	MALERKOTLA-2	S-NPP	30.65920	75.84750	12:45:27	D	2.30
239	SANGRUR	MALERKOTLA-2	S-NPP	30.65970	75.76470	12:45:27	D	6.20
240	SBS NAGAR	NAWAN SHAHR	S-NPP	31.17180	76.09700	12:45:27	D	1.60
241	SBS NAGAR	NAWAN SHAHR	S-NPP	31.17270	76.10060	12:45:27	D	1.60
242	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29520	74.96930	14:25:44	D	5.20
243	TARN TARAN	PATTI	S-NPP	31.28570	74.77970	12:45:27	D	1.60

Details of residue burning events in Haryana on 21-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	FATEHABAD	BHUNA	AQUA	29.58000	75.67900	14:15:48	D	17.90
2	FATEHABAD	FATEHABAD	S-NPP	29.58670	75.52600	14:25:44	D	4.20
3	FATEHABAD	RATIA	AQUA	29.77800	75.44200	14:15:48	D	20.10
4	FATEHABAD	RATIA	S-NPP	29.65020	75.60050	14:25:44	D	4.80
5	HISAR	HANSI-II	S-NPP	29.03560	76.20630	12:45:27	D	4.00
6	HISAR	HANSI-II	S-NPP	29.13600	76.21650	12:45:27	D	5.30
7	ROHTAK	LAKHAN MAJRA	S-NPP	29.00090	76.49860	12:45:27	D	3.00
8	ROHTAK	MEHAM	S-NPP	29.02340	76.45160	12:45:27	D	4.10
9	SIRSA	RANIA	S-NPP	29.57080	74.61900	14:25:44	D	7.70
10	SIRSA	RANIA	S-NPP	29.57390	74.61650	14:25:44	D	9.20
11	SONIPAT	GOHANA	S-NPP	28.98870	76.74710	12:45:27	D	2.40

Details of residue burning events in Uttar Pradesh on 21-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	BARA	S-NPP	25.08770	81.75210	01:35:27	N	0.30
2	AMBEDKARNAGAR	JALALPUR	S-NPP	26.38660	82.68120	12:45:27	D	10.20
3	AURAIYA	AURAIYA	S-NPP	26.45360	79.55430	12:45:27	D	5.90
4	AURAIYA	AURAIYA	S-NPP	26.45670	79.55610	12:45:27	D	5.40
5	AURAIYA	AURAIYA	S-NPP	26.46050	79.54100	12:45:27	D	3.90
6	BALLIA	BALLIA	S-NPP	25.62950	83.95180	12:45:27	D	3.90
7	BALLIA	RASRA	S-NPP	25.79690	83.89680	12:45:27	D	2.20
8	CHITRAKOOT	KARWI	S-NPP	25.22700	80.97360	12:45:27	D	3.40
9	CHITRAKOOT	MAU	S-NPP	25.27170	81.28480	12:45:27	D	5.20
10	DEORIA	DEORIA	S-NPP	26.54670	83.68740	12:45:27	D	2.60
11	DEORIA	DEORIA	S-NPP	26.65350	83.71590	12:45:27	D	6.60
12	FATEHPUR	FATEHPUR	S-NPP	25.90360	80.66940	12:45:27	D	2.30
13	FATEHPUR	KHAGA	S-NPP	25.92000	81.06200	12:45:27	D	3.50
14	GORAKHPUR	GORAKHPUR	S-NPP	26.93110	83.36490	12:45:27	D	2.20
15	HARDOI	BILGRAM	S-NPP	27.03170	80.18470	12:45:27	D	3.00
16	HARDOI	HARDOI	S-NPP	27.47350	80.31130	12:45:27	D	2.90
17	HARDOI	SHAHABAD	TERRA	27.61200	80.05900	10:44:49	D	6.10
18	JAUNPUR	KIRAKAT	S-NPP	25.72420	82.87640	12:45:27	D	2.70
19	KANPUR	BILHAUR	S-NPP	26.84490	79.93310	12:45:27	D	5.50
20	KANPUR	KANPUR NAGAR	S-NPP	26.39670	80.17670	12:45:27	D	2.60
21	KANPUR DEHAT	SIKANDRA	S-NPP	26.40230	79.62210	12:45:27	D	4.20
22	KANPUR DEHAT	SIKANDRA	S-NPP	26.40690	79.62090	12:45:27	D	3.30
23	KAUSHAMBI	MANJHANPUR	S-NPP	25.48930	81.25930	12:45:27	D	8.80
24	KHERI	GOLA	S-NPP	28.22460	80.30800	12:45:27	D	4.20
25	KHERI	LAKHIMPUR	S-NPP	27.92020	80.59980	01:35:27	N	2.20
26	KHERI	LAKHIMPUR	S-NPP	28.07590	80.88690	12:45:27	D	3.80
27	KHERI	MOHMADI	TERRA	27.89200	80.10000	10:44:49	D	7.00
28	KUSHINAGAR	HATA	S-NPP	26.85500	83.60500	12:45:27	D	4.20
29	KUSHINAGAR	HATA	S-NPP	26.86180	83.59040	01:35:27	N	1.00

30	KUSHINAGAR	KASAYA	S-NPP	26.61310	84.05310	12:45:27	D	5.90
31	KUSHINAGAR	KASAYA	S-NPP	26.62480	84.05540	12:45:27	D	3.10
32	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08750	83.64200	12:45:27	D	1.90
33	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.12090	83.67940	12:45:27	D	6.00
34	MAHARAJGANJ	NAUTANWA	S-NPP	27.45330	83.52040	12:45:27	D	2.60
35	MAHARAJGANJ	NICHLAUL	S-NPP	27.11990	83.69460	12:45:27	D	3.60
36	MAHARAJGANJ	NICHLAUL	S-NPP	27.36870	83.69670	12:45:27	D	3.90
37	MAINPURI	BHOGAON	TERRA	27.04300	79.22200	10:44:49	D	4.80
38	MAINPURI	BHOGAON	S-NPP	27.07850	79.30430	12:45:27	D	5.60
39	MAU	MADHUBAN	S-NPP	26.04900	83.62980	12:45:27	D	3.70
40	MAU	MADHUBAN	S-NPP	26.12100	83.68230	12:45:27	D	3.50
41	MUZAFARNAGAR	KHATOLI	S-NPP	29.38280	77.66400	12:45:27	D	6.70
42	SANTKABIRNAGAR	Ghanghata	S-NPP	26.64610	83.04870	12:45:27	D	6.20
43	SANTRAVIDASNAGAR	AURAI	S-NPP	25.28660	82.58940	12:45:27	D	1.70
44	SHAHJAHANPUR	PUWANYA	S-NPP	28.03260	79.92920	01:35:27	N	0.60
45	SHRAWASTI	IKAUNA	S-NPP	27.56950	81.82560	12:45:27	D	2.30
46	SITAPUR	BISWAN	S-NPP	27.55180	81.00070	12:45:27	D	6.20

Details of residue burning events in Rajasthan on 21-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	GANGANAGAR	VIJAY NAGAR	AQUA	29.33800	73.68800	14:15:48	D	12.20
2	HANUMANGARH	HANUMANGARH	AQUA	29.61300	74.37300	14:15:48	D	43.10
3	HANUMANGARH	HANUMANGARH	AQUA	29.61400	74.39200	14:15:48	D	37.30
4	HANUMANGARH	HANUMANGARH	S-NPP	29.55270	74.23560	14:25:44	D	4.80
5	HANUMANGARH	HANUMANGARH	S-NPP	29.55350	74.23810	14:25:44	D	7.60
6	HANUMANGARH	HANUMANGARH	S-NPP	29.60260	74.38460	12:45:27	D	30.90
7	HANUMANGARH	PILIBANGA	S-NPP	29.39340	73.93760	14:25:44	D	4.50
8	HANUMANGARH	PILIBANGA	S-NPP	29.42160	73.99760	14:25:44	D	3.80
9	HANUMANGARH	PILIBANGA	S-NPP	29.45560	74.04850	14:25:44	D	6.00
10	HANUMANGARH	TIBI	AQUA	29.60400	74.41200	14:15:48	D	15.30
11	HANUMANGARH	TIBI	S-NPP	29.53050	74.44470	12:45:27	D	12.00
12	HANUMANGARH	TIBI	S-NPP	29.53280	74.44280	12:45:27	D	9.60

Details of residue burning events in Madhya Pradesh on 21-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BETUL	BETUL	S-NPP	22.23240	77.97430	12:45:27	D	2.30
2	BHIND	GOHAD	S-NPP	26.48780	78.27470	12:45:27	D	2.50
3	BHIND	GOHAD	S-NPP	26.51370	78.28310	12:45:27	D	1.30
4	BHOPAL	HUZUR	S-NPP	23.22910	77.56240	12:45:27	D	3.00
5	BURHANPUR	NEPANAGAR	AQUA	21.47100	76.46200	14:15:48	D	21.00
6	BURHANPUR	NEPANAGAR	S-NPP	21.45530	76.46650	12:45:27	D	2.80
7	CHHINDWARA	CHAURAI	S-NPP	21.93950	79.11470	12:45:27	D	2.20
8	CHHINDWARA	CHHINDWARA	S-NPP	22.00350	79.00720	12:45:27	D	1.90
9	DATIA	BHANDER	S-NPP	25.90210	78.69280	12:45:27	D	6.40
10	DATIA	DATIA	S-NPP	25.64980	78.29260	12:45:27	D	3.60
11	GWALIOR	BHITARWAR	AQUA	25.95700	78.18200	14:15:48	D	23.00
12	GWALIOR	BHITARWAR	S-NPP	25.72030	78.07210	12:45:27	D	4.30
13	GWALIOR	BHITARWAR	S-NPP	25.72110	78.07550	12:45:27	D	4.30
14	GWALIOR	BHITARWAR	S-NPP	25.72190	78.07900	12:45:27	D	7.80
15	GWALIOR	BHITARWAR	S-NPP	25.72340	78.08580	12:45:27	D	3.50
16	GWALIOR	BHITARWAR	S-NPP	25.72420	78.08930	12:45:27	D	3.50
17	GWALIOR	BHITARWAR	S-NPP	25.72620	78.07420	12:45:27	D	3.50
18	GWALIOR	BHITARWAR	S-NPP	25.72700	78.07760	12:45:27	D	5.80
19	GWALIOR	BHITARWAR	S-NPP	25.72780	78.08100	12:45:27	D	5.80
20	GWALIOR	BHITARWAR	S-NPP	25.73290	78.07970	12:45:27	D	5.80
21	GWALIOR	BHITARWAR	S-NPP	25.75500	78.08090	12:45:27	D	3.50
22	GWALIOR	BHITARWAR	S-NPP	25.75890	78.09810	12:45:27	D	3.10
23	GWALIOR	BHITARWAR	S-NPP	25.78500	78.06900	12:45:27	D	2.20
24	GWALIOR	BHITARWAR	S-NPP	25.80490	78.15800	12:45:27	D	3.10
25	GWALIOR	BHITARWAR	S-NPP	25.81000	78.15660	12:45:27	D	4.50
26	GWALIOR	BHITARWAR	S-NPP	25.81080	78.16000	12:45:27	D	4.50
27	GWALIOR	BHITARWAR	S-NPP	25.82160	78.01390	12:45:27	D	5.20
28	GWALIOR	BHITARWAR	S-NPP	25.83030	78.05180	12:45:27	D	4.10
29	GWALIOR	BHITARWAR	S-NPP	25.83540	78.05040	12:45:27	D	4.10

30	GWALIOR	BHITARWAR	S-NPP	25.86630	78.11470	12:45:27	D	2.70
31	GWALIOR	BHITARWAR	S-NPP	25.86910	78.10310	12:45:27	D	4.30
32	GWALIOR	BHITARWAR	S-NPP	25.87290	78.12010	12:45:27	D	5.50
33	GWALIOR	BHITARWAR	S-NPP	25.90300	78.03580	12:45:27	D	2.50
34	GWALIOR	BHITARWAR	S-NPP	25.90370	78.03430	12:45:27	D	3.60
35	GWALIOR	BHITARWAR	S-NPP	25.90810	78.03450	12:45:27	D	2.50
36	GWALIOR	BHITARWAR	S-NPP	25.90890	78.03790	12:45:27	D	2.50
37	GWALIOR	BHITARWAR	S-NPP	25.90960	78.04140	12:45:27	D	3.60
38	GWALIOR	BHITARWAR	S-NPP	25.91040	78.03990	12:45:27	D	4.20
39	GWALIOR	BHITARWAR	S-NPP	25.91270	78.15260	12:45:27	D	2.60
40	GWALIOR	BHITARWAR	S-NPP	25.91310	78.10560	12:45:27	D	3.60
41	GWALIOR	BHITARWAR	S-NPP	25.91930	78.15800	12:45:27	D	5.30
42	GWALIOR	BHITARWAR	S-NPP	25.92010	78.16140	12:45:27	D	5.90
43	GWALIOR	BHITARWAR	S-NPP	25.92140	78.14310	12:45:27	D	2.20
44	GWALIOR	BHITARWAR	S-NPP	25.92950	78.15530	12:45:27	D	3.00
45	GWALIOR	BHITARWAR	S-NPP	25.93100	78.15350	12:45:27	D	4.70
46	GWALIOR	BHITARWAR	S-NPP	25.93460	78.15390	12:45:27	D	3.00
47	GWALIOR	BHITARWAR	S-NPP	25.95050	78.19130	12:45:27	D	5.10
48	GWALIOR	BHITARWAR	S-NPP	25.96480	78.03960	12:45:27	D	2.70
49	GWALIOR	BHITARWAR	S-NPP	25.96510	78.06500	12:45:27	D	4.90
50	GWALIOR	BHITARWAR	S-NPP	25.96600	78.21200	12:45:27	D	2.80
51	GWALIOR	BHITARWAR	S-NPP	25.96750	78.14730	12:45:27	D	1.60
52	GWALIOR	BHITARWAR	S-NPP	25.99760	78.08890	12:45:27	D	1.70
53	GWALIOR	BHITARWAR	S-NPP	26.00390	78.14110	12:45:27	D	1.70
54	GWALIOR	DABRA	S-NPP	25.80940	78.17830	12:45:27	D	2.70
55	GWALIOR	DABRA	S-NPP	25.81600	78.18370	12:45:27	D	2.10
56	GWALIOR	DABRA	S-NPP	25.82910	78.18960	12:45:27	D	2.50
57	GWALIOR	DABRA	S-NPP	25.84220	78.24670	12:45:27	D	1.80
58	GWALIOR	DABRA	S-NPP	25.86760	78.16840	12:45:27	D	10.20
59	GWALIOR	DABRA	S-NPP	25.88150	78.25400	12:45:27	D	0.80
60	GWALIOR	DABRA	S-NPP	25.89370	78.23660	12:45:27	D	2.60
61	GWALIOR	DABRA	S-NPP	25.92630	78.21350	12:45:27	D	2.10
62	GWALIOR	DABRA	S-NPP	25.96040	78.23490	12:45:27	D	5.10
63	GWALIOR	DABRA	S-NPP	25.96340	78.23550	12:45:27	D	4.60

64	GWALIOR	DABRA	S-NPP	25.96350	78.24830	12:45:27	D	1.90
65	GWALIOR	DABRA	S-NPP	25.97620	78.30450	12:45:27	D	2.40
66	GWALIOR	DABRA	S-NPP	25.98840	78.28720	12:45:27	D	2.50
67	GWALIOR	DABRA	S-NPP	25.99810	78.33000	12:45:27	D	4.00
68	HOSHANGABAD	BABAI	TERRA	22.74900	78.05500	10:44:49	D	8.60
69	HOSHANGABAD	SOHAGPUR	TERRA	22.75400	78.27100	10:44:49	D	4.70
70	HOSHANGABAD	SOHAGPUR	TERRA	22.78700	78.22800	10:44:49	D	7.00
71	JABALPUR	JABALPUR	TERRA	23.26900	79.87300	10:44:49	D	5.50
72	JABALPUR	JABALPUR	S-NPP	22.95570	79.92740	12:45:27	D	4.30
73	JABALPUR	JABALPUR	S-NPP	22.99330	79.88690	12:45:27	D	4.90
74	JABALPUR	JABALPUR	S-NPP	23.06370	79.99210	12:45:27	D	4.90
75	JABALPUR	JABALPUR	S-NPP	23.27590	79.92520	12:45:27	D	6.50
76	JABALPUR	JABALPUR	S-NPP	23.29390	79.90160	12:45:27	D	2.30
77	JABALPUR	JABALPUR	S-NPP	23.31120	79.95900	12:45:27	D	3.90
78	JABALPUR	JABALPUR	S-NPP	23.31220	79.91560	12:45:27	D	8.10
79	JABALPUR	JABALPUR	S-NPP	23.31360	79.94610	12:45:27	D	12.50
80	JABALPUR	JABALPUR	S-NPP	23.34380	79.94480	12:45:27	D	6.00
81	JABALPUR	MAJHOULI	S-NPP	23.38370	79.96560	12:45:27	D	7.40
82	JABALPUR	MAJHOULI	S-NPP	23.47230	79.99010	12:45:27	D	7.30
83	JABALPUR	MAJHOULI	S-NPP	23.54990	80.17260	12:45:27	D	1.80
84	JABALPUR	MAJHOULI	S-NPP	23.56750	79.94640	12:45:27	D	5.70
85	JABALPUR	MAJHOULI	S-NPP	23.57590	79.93810	12:45:27	D	8.40
86	JABALPUR	PATAN	S-NPP	23.20200	79.76800	12:45:27	D	6.10
87	JABALPUR	PATAN	S-NPP	23.20340	79.79930	12:45:27	D	14.00
88	JABALPUR	PATAN	S-NPP	23.20940	79.77880	12:45:27	D	3.90
89	JABALPUR	PATAN	S-NPP	23.22090	79.85780	12:45:27	D	8.00
90	JABALPUR	PATAN	S-NPP	23.22190	79.81360	12:45:27	D	9.10
91	JABALPUR	PATAN	S-NPP	23.22610	79.72970	12:45:27	D	4.10
92	JABALPUR	PATAN	S-NPP	23.23000	79.72920	12:45:27	D	5.40
93	JABALPUR	PATAN	S-NPP	23.23770	79.79080	12:45:27	D	2.40
94	JABALPUR	PATAN	S-NPP	23.27210	79.77550	12:45:27	D	4.50
95	JABALPUR	PATAN	S-NPP	23.27230	79.80070	12:45:27	D	3.40
96	JABALPUR	PATAN	S-NPP	23.31650	79.81490	12:45:27	D	4.40
97	JABALPUR	PATAN	S-NPP	23.34320	79.79570	12:45:27	D	7.20

98	JABALPUR	PATAN	S-NPP	23.36400	79.79690	12:45:27	D	6.40
99	JABALPUR	PATAN	S-NPP	23.36450	79.79430	12:45:27	D	3.60
100	JABALPUR	SAHPURA	AQUA	23.18400	79.82000	14:15:48	D	30.40
101	JABALPUR	SAHPURA	TERRA	23.18500	79.63400	10:44:49	D	8.20
102	JABALPUR	SAHPURA	S-NPP	23.14150	79.40330	01:35:27	N	0.90
103	JABALPUR	SAHPURA	S-NPP	23.15630	79.74750	12:45:27	D	3.90
104	JABALPUR	SAHPURA	S-NPP	23.16120	79.74620	12:45:27	D	3.90
105	JABALPUR	SAHPURA	S-NPP	23.16610	79.74500	12:45:27	D	5.00
106	JABALPUR	SAHPURA	S-NPP	23.16790	79.68050	12:45:27	D	7.50
107	JABALPUR	SAHPURA	S-NPP	23.17960	79.73530	12:45:27	D	8.30
108	JABALPUR	SAHPURA	S-NPP	23.18450	79.73410	12:45:27	D	4.40
109	JABALPUR	SAHPURA	S-NPP	23.19070	79.73900	12:45:27	D	4.40
110	JABALPUR	SAHPURA	S-NPP	23.19560	79.73770	12:45:27	D	4.00
111	JABALPUR	SAHPURA	S-NPP	23.19920	79.73050	12:45:27	D	4.00
112	JABALPUR	SAHPURA	S-NPP	23.20050	79.73650	12:45:27	D	4.00
113	JABALPUR	SIHORA	S-NPP	23.40860	80.18270	12:45:27	D	6.10
114	JABALPUR	SIHORA	S-NPP	23.41500	80.10080	12:45:27	D	4.80
115	JABALPUR	SIHORA	S-NPP	23.41720	80.10300	12:45:27	D	8.90
116	JABALPUR	SIHORA	S-NPP	23.42940	80.09730	12:45:27	D	5.10
117	JABALPUR	SIHORA	S-NPP	23.44740	80.22940	12:45:27	D	7.00
118	JABALPUR	SIHORA	S-NPP	23.44860	80.18780	12:45:27	D	7.90
119	JABALPUR	SIHORA	S-NPP	23.44870	80.23190	12:45:27	D	8.40
120	JABALPUR	SIHORA	S-NPP	23.45340	80.18670	12:45:27	D	7.90
121	JABALPUR	SIHORA	S-NPP	23.45450	80.19230	12:45:27	D	8.40
122	KATNI	BAHURIBAND	S-NPP	23.64790	80.09880	12:45:27	D	5.80
123	KATNI	BIJERAGHOGARH	S-NPP	23.92920	80.73400	12:45:27	D	3.10
124	KATNI	DHIMERKHEDA	S-NPP	23.46150	80.34250	12:45:27	D	7.10
125	KATNI	DHIMERKHEDA	S-NPP	23.46200	80.34530	12:45:27	D	7.60
126	KATNI	DHIMERKHEDA	S-NPP	23.48760	80.27820	12:45:27	D	3.30
127	MANDLA	NAINPUR	S-NPP	22.39600	80.18050	12:45:27	D	3.10
128	MANDLA	NAINPUR	S-NPP	22.43130	80.17830	12:45:27	D	1.40
129	MANDLA	NAINPUR	S-NPP	22.51050	80.03030	12:45:27	D	3.10
130	NARSHIMAPURA	GADARWARA	S-NPP	22.88570	78.60960	12:45:27	D	2.40
131	NARSHIMAPURA	GOTECAON	S-NPP	23.03450	79.54130	12:45:27	D	1.80

132	PANNA	PANNA	S-NPP	24.61390	80.40130	12:45:27	D	4.10
133	RAISEN	BARELI	TERRA	22.88100	78.27900	10:44:49	D	4.50
134	RAISEN	BARELI	S-NPP	22.88960	78.06320	12:45:27	D	3.80
135	RAISEN	BARELI	S-NPP	22.89050	78.06710	12:45:27	D	3.80
136	RAISEN	BARELI	S-NPP	22.89250	78.05020	12:45:27	D	2.20
137	RAISEN	BARELI	S-NPP	23.00550	78.08580	14:25:44	D	5.30
138	RAISEN	BARELI	S-NPP	23.05440	78.19420	01:35:27	N	1.70
139	RAISEN	GOHARGANJ	S-NPP	22.97190	77.62270	12:45:27	D	2.60
140	RAISEN	GOHARGANJ	S-NPP	22.98740	77.56130	12:45:27	D	4.20
141	RAISEN	GOHARGANJ	S-NPP	23.02040	77.62740	12:45:27	D	2.70
142	RAISEN	GOHARGANJ	S-NPP	23.06420	77.69010	12:45:27	D	3.50
143	RAISEN	GOHARGANJ	S-NPP	23.08340	77.42970	12:45:27	D	1.70
144	RAISEN	SILVANI	S-NPP	23.18150	78.27900	01:35:27	N	0.30
145	RAISEN	SILVANI	S-NPP	23.22730	78.46850	01:35:27	N	0.30
146	RAISEN	SILVANI	S-NPP	23.26690	78.49080	01:35:27	N	0.70
147	REWA	GURH	S-NPP	24.52650	81.55300	12:45:27	D	2.00
148	REWA	HUZUR	S-NPP	24.41950	81.31500	12:45:27	D	2.60
149	REWA	SIRMAUR	S-NPP	24.72680	81.15060	12:45:27	D	2.30
150	REWA	TEONTHAR	S-NPP	24.99670	81.43070	12:45:27	D	5.80
151	REWA	TEONTHAR	S-NPP	24.99740	81.42810	12:45:27	D	2.90
152	REWA	TEONTHAR	S-NPP	24.99830	81.43260	12:45:27	D	2.90
153	SAGAR	KHURAI	S-NPP	24.05010	78.34790	12:45:27	D	2.00
154	SATNA	AMARPATAN	S-NPP	24.38310	81.09390	12:45:27	D	3.00
155	SATNA	AMARPATAN	S-NPP	24.39780	81.16500	12:45:27	D	5.40
156	SATNA	AMARPATAN	S-NPP	24.39850	81.16300	12:45:27	D	3.70
157	SATNA	MAIHAR	S-NPP	24.34370	80.85870	12:45:27	D	1.10
158	SATNA	NAGOD	S-NPP	24.48330	80.57230	12:45:27	D	6.10
159	SATNA	NAGOD	S-NPP	24.48420	80.57500	12:45:27	D	5.00
160	SATNA	RAMPURBAGHLEAN	S-NPP	24.53160	80.97020	12:45:27	D	5.20
161	SATNA	RAMPURBAGHLEAN	S-NPP	24.55370	81.01040	12:45:27	D	3.00
162	SATNA	RAMPURBAGHLEAN	S-NPP	24.61090	81.11160	12:45:27	D	3.00
163	SATNA	RAMPURBAGHLEAN	S-NPP	24.63980	81.14570	12:45:27	D	2.70
164	SATNA	RAMPURBAGHLEAN	S-NPP	24.64230	81.13520	12:45:27	D	3.20
165	SATNA	UCHAHAR	S-NPP	24.38400	80.84890	12:45:27	D	5.40

166	SEHORE	BUDHNI	TERRA	22.89100	78.02600	10:44:49	D	4.60
167	SEHORE	BUDHNI	S-NPP	22.87380	77.96770	12:45:27	D	2.30
168	SEHORE	BUDHNI	S-NPP	22.90540	77.97660	01:35:27	N	0.50
169	SEONI	GHANSAUR	S-NPP	22.43080	79.80170	12:45:27	D	2.80
170	SEONI	GHANSAUR	S-NPP	22.46400	79.81010	12:45:27	D	2.50
171	SEONI	KEWLARI	TERRA	22.30800	79.80600	10:44:49	D	13.60
172	SEONI	KEWLARI	S-NPP	22.33380	79.88500	12:45:27	D	8.30
173	SEONI	KEWLARI	S-NPP	22.38920	79.97550	12:45:27	D	2.70
174	SEONI	SEONI	TERRA	22.26200	79.51100	10:44:49	D	5.40
175	SEONI	SEONI	S-NPP	22.20900	79.45020	12:45:27	D	2.90
176	SEONI	SEONI	S-NPP	22.22370	79.41900	12:45:27	D	1.80
177	SEONI	SEONI	S-NPP	22.27850	79.41450	12:45:27	D	3.10
178	SEONI	SEONI	S-NPP	22.28200	79.41510	12:45:27	D	3.40
179	SEONI	SEONI	S-NPP	22.29870	79.64500	12:45:27	D	2.20
180	SHEOPUR	SHEOPUR	AQUA	25.44500	76.60800	14:15:48	D	16.30
181	SHEOPUR	SHEOPUR	S-NPP	25.60060	76.59170	14:25:44	D	3.20
182	SHIVPURI	NARWAR	AQUA	25.74400	77.98400	14:15:48	D	25.40
183	SHIVPURI	NARWAR	S-NPP	25.56550	78.08900	12:45:27	D	1.90
184	SHIVPURI	NARWAR	S-NPP	25.59470	78.21950	12:45:27	D	2.00
185	SHIVPURI	NARWAR	S-NPP	25.63010	78.28170	12:45:27	D	3.20
186	SHIVPURI	NARWAR	S-NPP	25.63070	78.27990	12:45:27	D	2.50
187	SHIVPURI	NARWAR	S-NPP	25.64720	78.25750	12:45:27	D	3.00
188	SHIVPURI	NARWAR	S-NPP	25.65030	78.19920	12:45:27	D	1.80
189	SHIVPURI	NARWAR	S-NPP	25.69850	78.09620	12:45:27	D	4.00
190	SHIVPURI	NARWAR	S-NPP	25.69850	78.09910	12:45:27	D	8.70
191	SHIVPURI	NARWAR	S-NPP	25.69930	78.00420	12:45:27	D	4.00
192	SHIVPURI	NARWAR	S-NPP	25.70290	78.09430	12:45:27	D	6.30
193	SHIVPURI	NARWAR	S-NPP	25.70370	78.09480	12:45:27	D	4.00
194	SHIVPURI	NARWAR	S-NPP	25.70720	78.08940	12:45:27	D	3.00
195	SHIVPURI	NARWAR	S-NPP	25.70800	78.09000	12:45:27	D	3.10
196	SHIVPURI	NARWAR	S-NPP	25.74540	77.98790	14:25:44	D	10.00

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**

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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)

and on IARI CREAMS website (<http://creams.iari.res.in/cms2/index.php>)
