



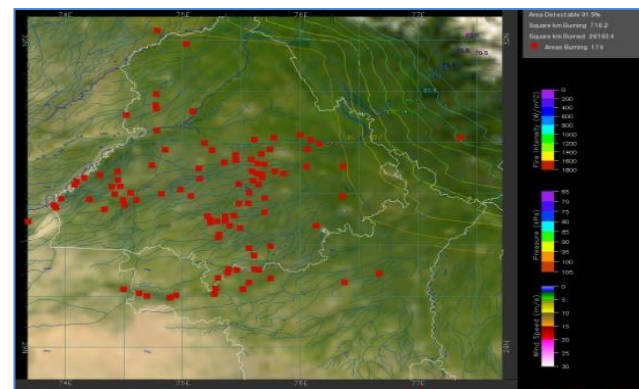
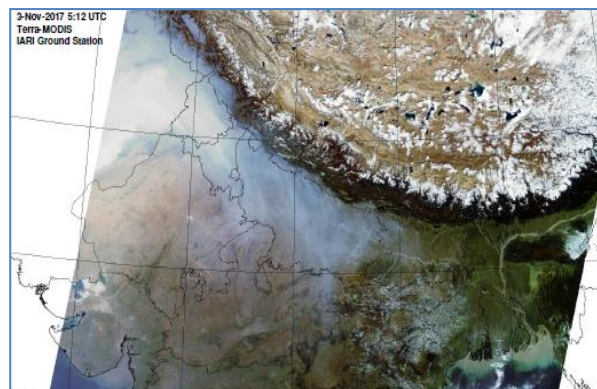
**Bulletin
No. 69**

**Events Date:
22-Nov-2021**

**Issued on:
22-Nov-2021**



MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2021



Prepared by:

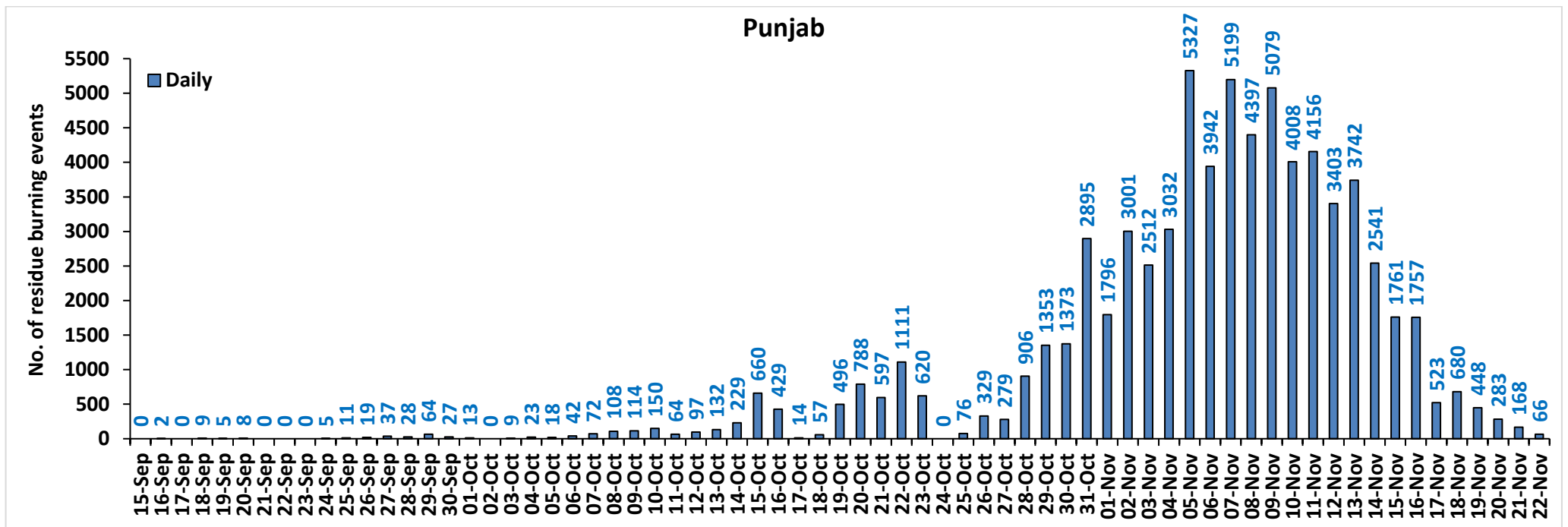
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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

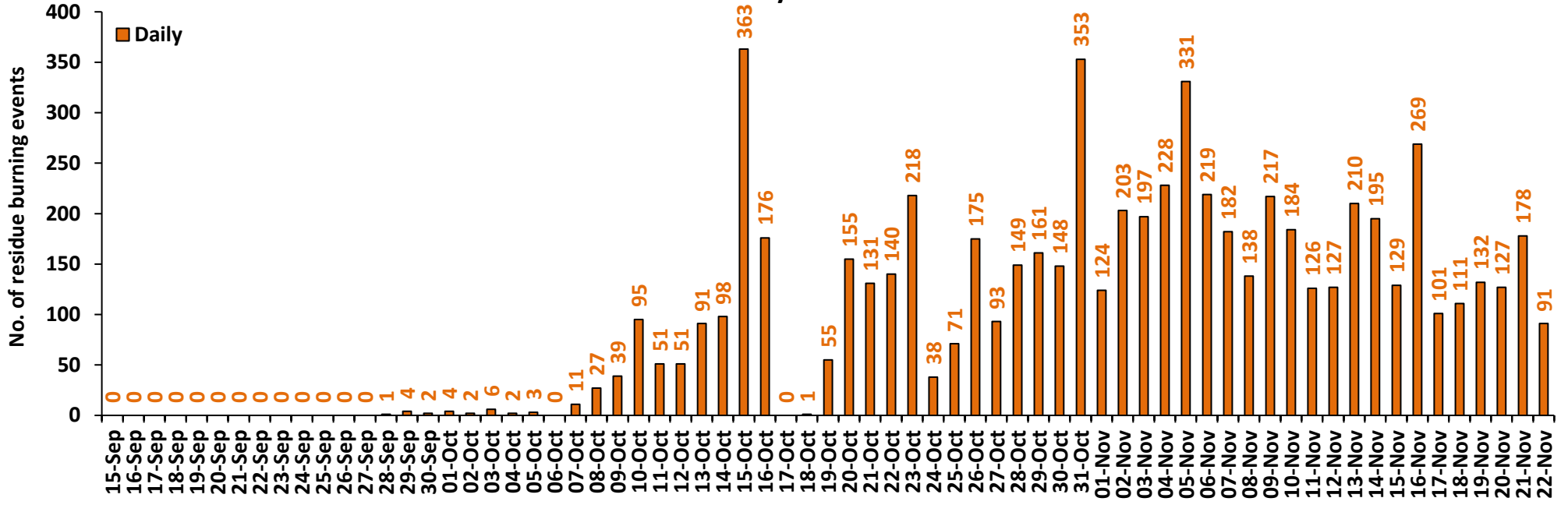
Highlights for 22-November-2021

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **642** residue burning events in the six study States on 22-Nov-2021.
- The state wise events detected on 22-Nov-21 were **66** in Punjab, **91** in Haryana, **276** in UP, **0** in Delhi, **21** in Raj and **188** in MP.
- The number of events has increased from **619** on 21-Nov-2021 to **642** on 22-Nov-2021 in the six study states.
- Total **88503** burning events were detected in the six states between 15-Sept-2021 and 22-Nov-2021, which are distributed as **71090**, **6733**, **3190**, **4**, **1161** and **6325** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **15.8%** less than in 2020 till date. Punjab recorded **13.9%** reduction, Haryana recorded **69.8%** increase, UP recorded **9.5%** reduction, Delhi recorded **55.6%** reduction, Rajasthan recorded **26.8%** reduction and MP recorded **52.7%** reduction, in the current season than in 2020.

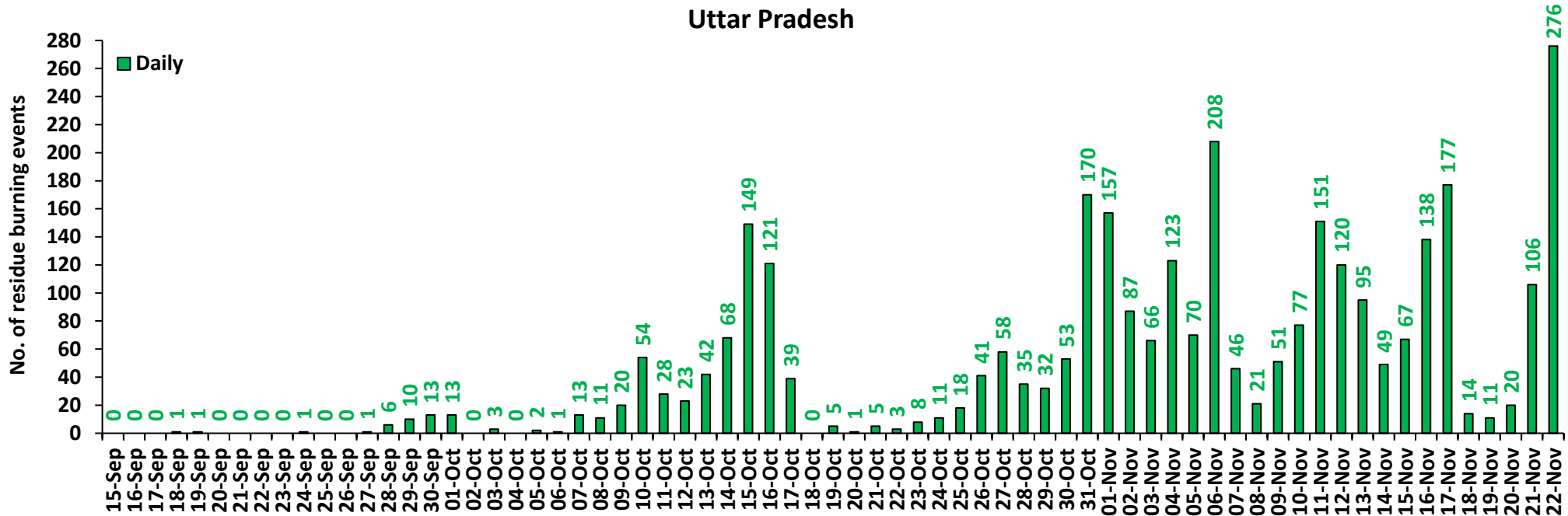
Temporal distribution of rice residue burning events for the study States in 2021



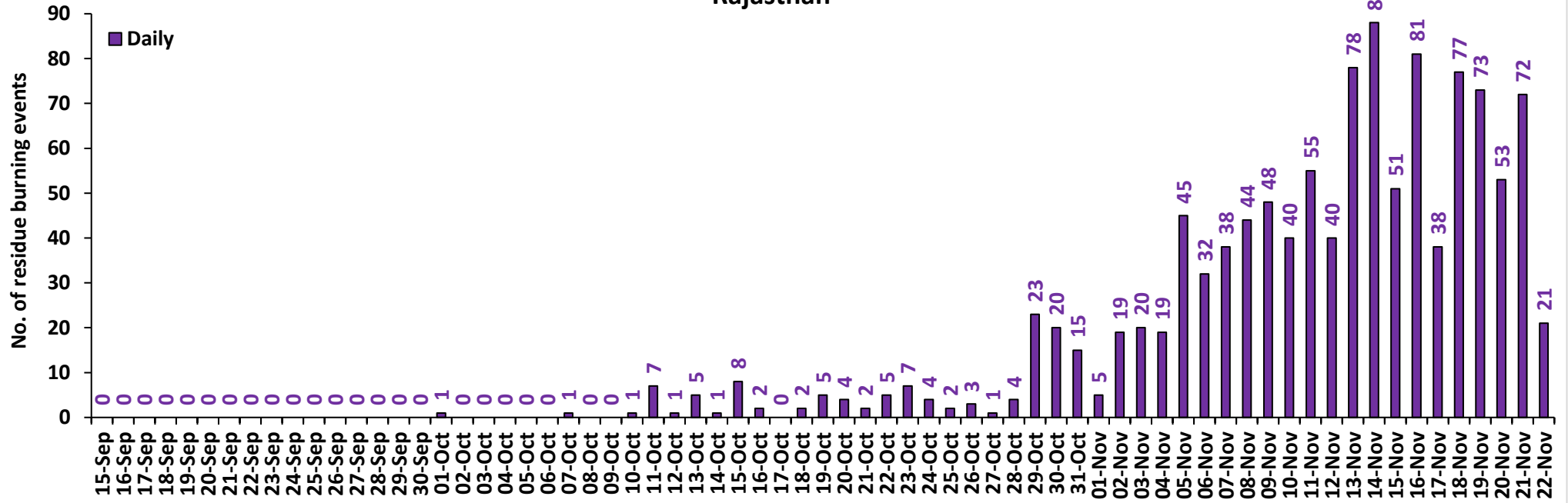
Haryana



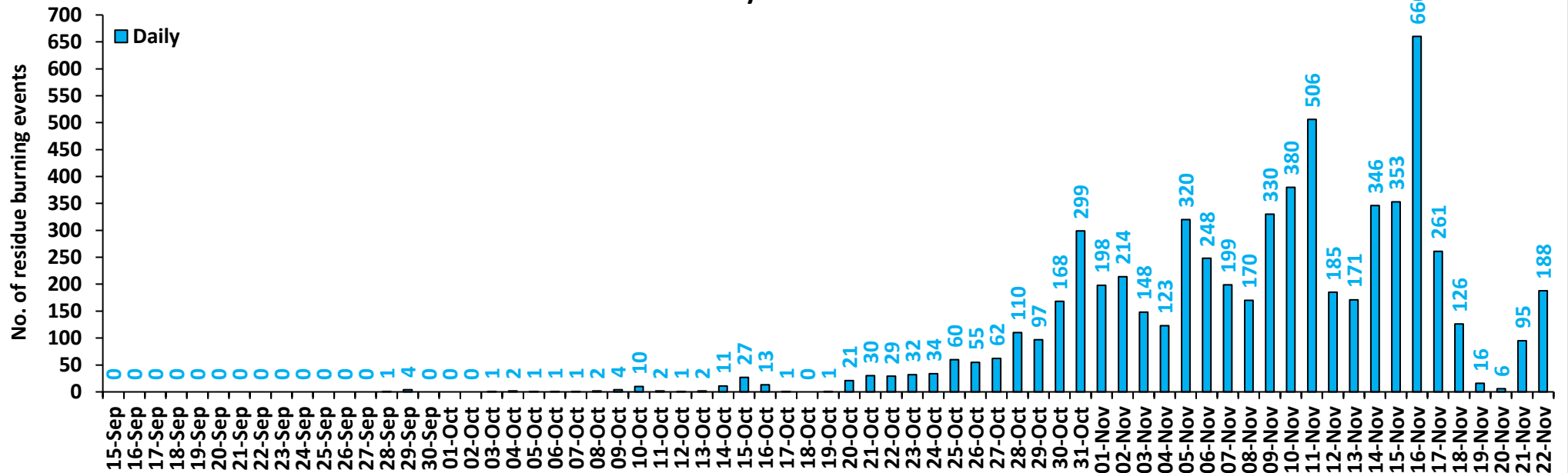
Uttar Pradesh



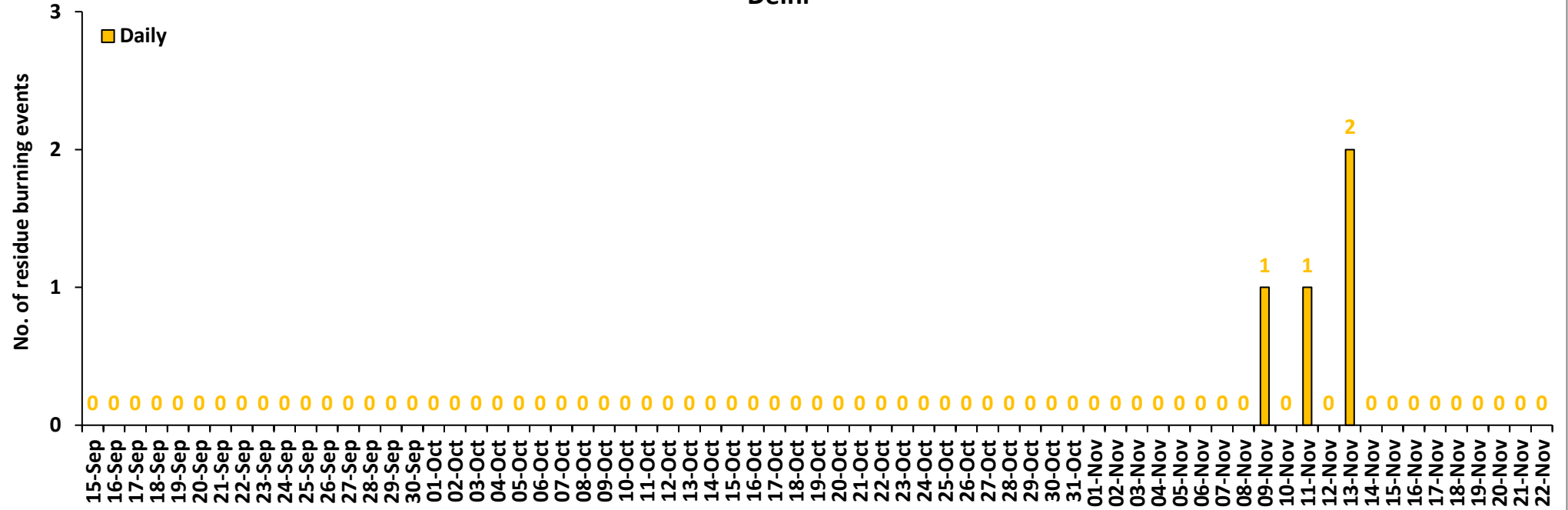
Rajasthan



Madhya Pradesh

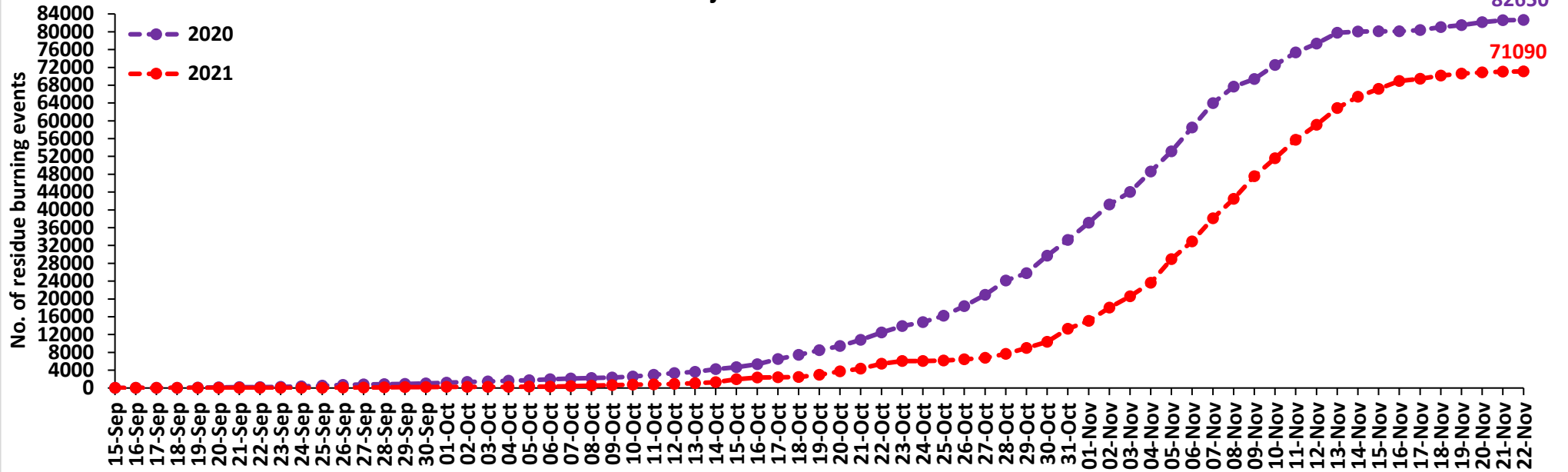


Delhi

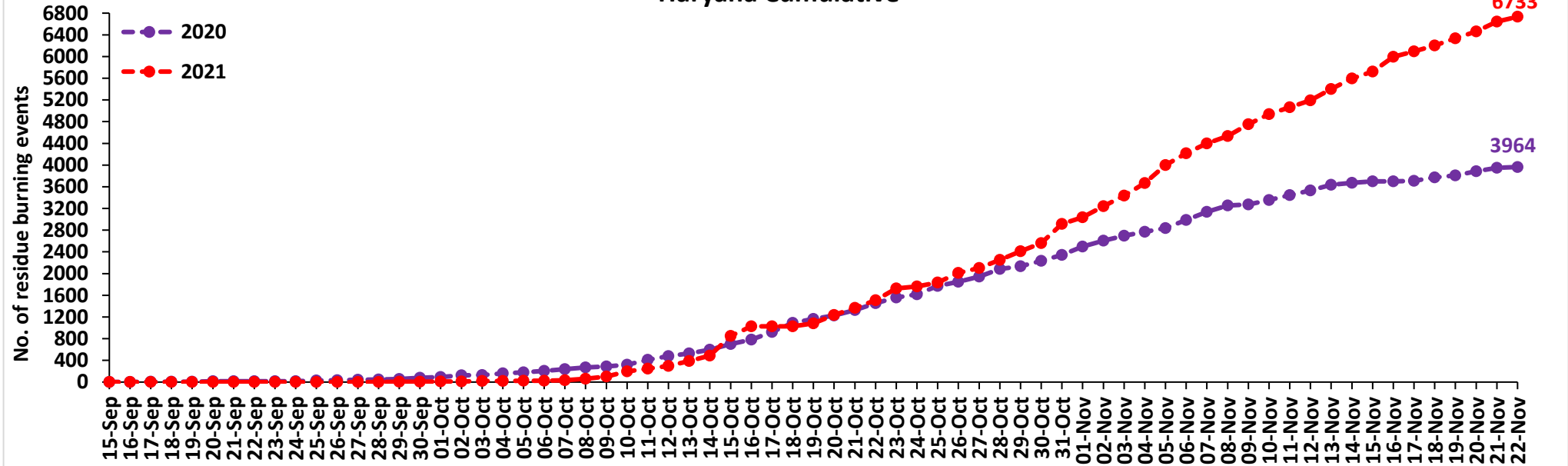


Comparison of residue burning events in current year (2021) with previous year (2020) for the study States

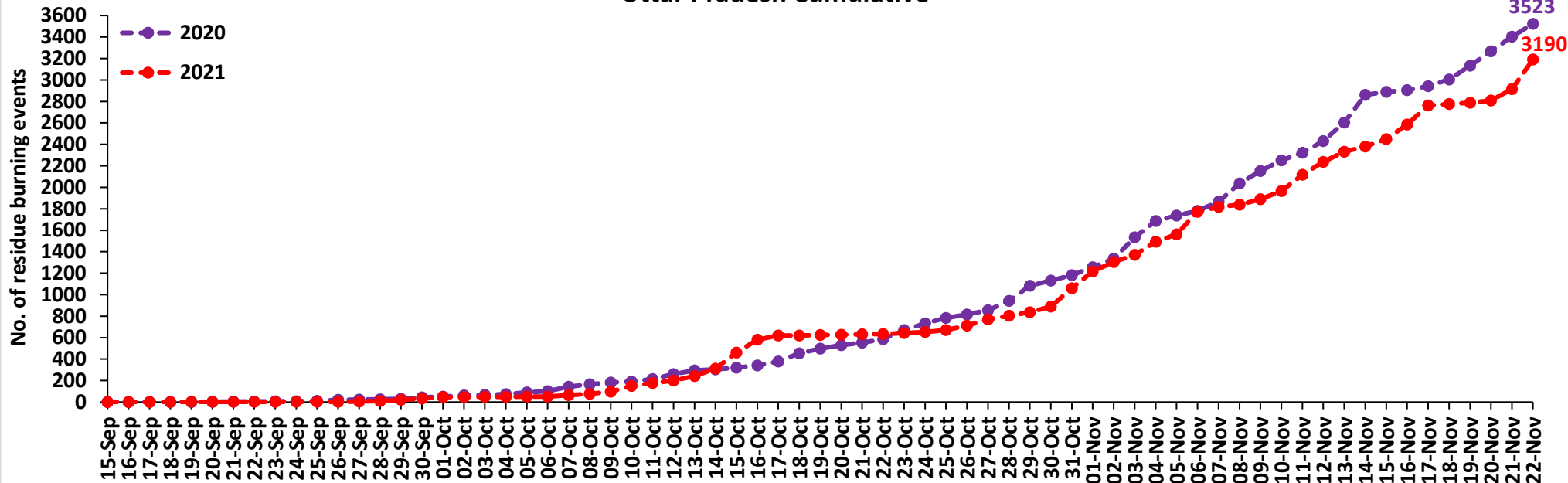
Punjab Cumulative



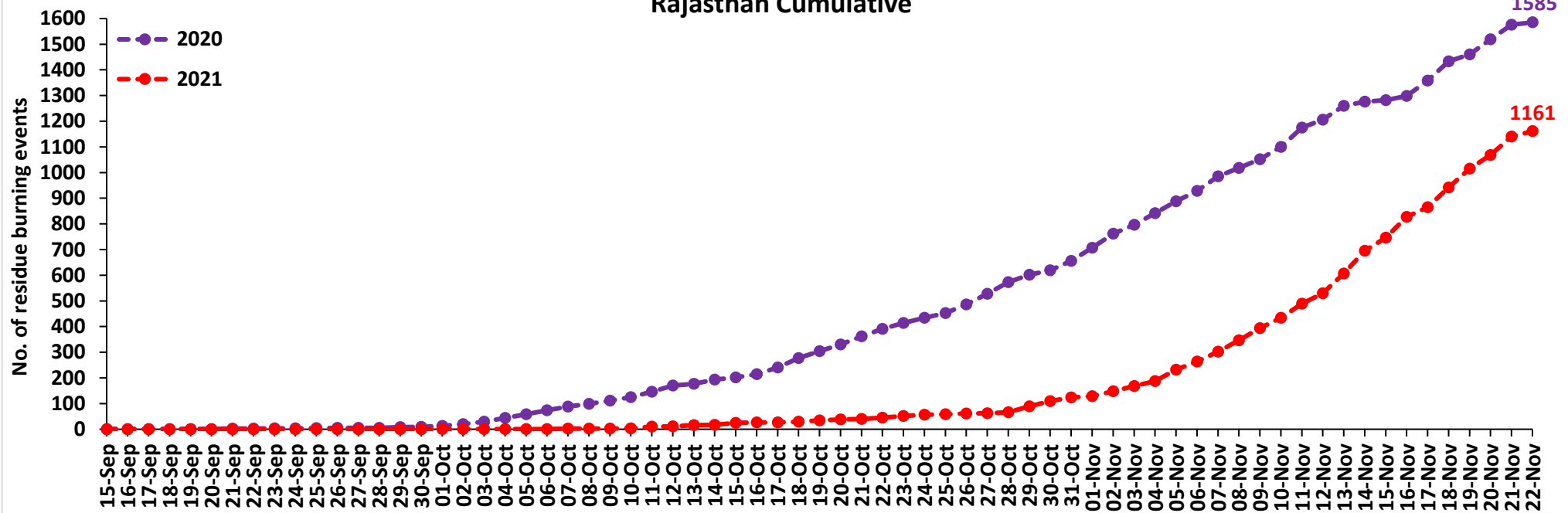
Haryana Cumulative



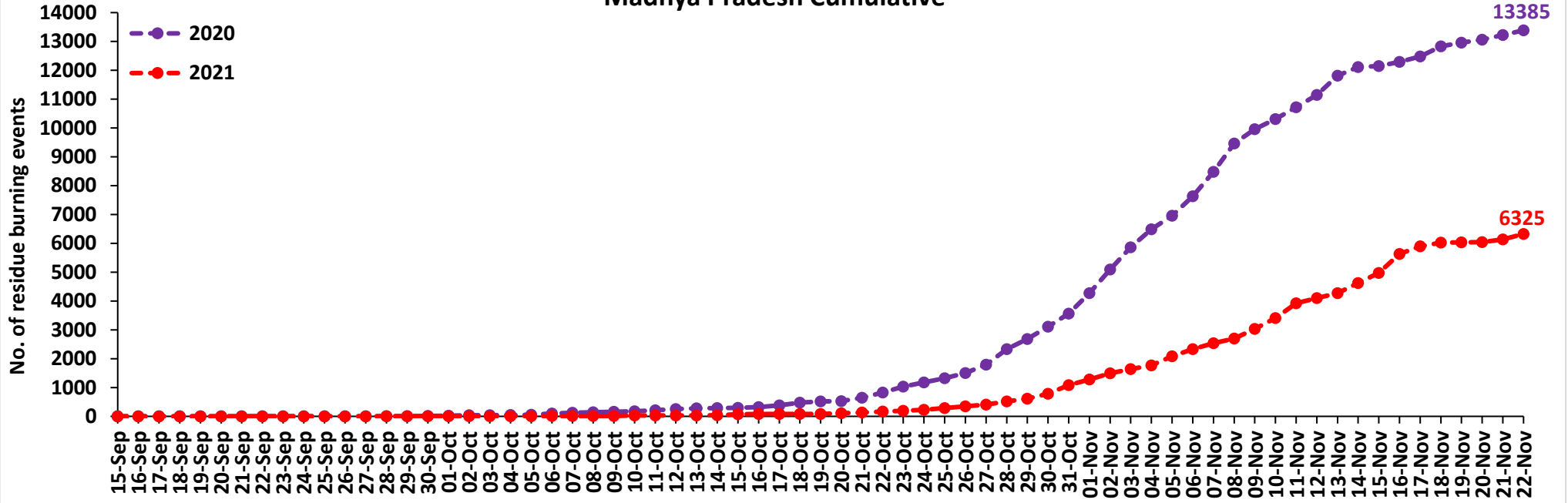
Uttar Pradesh Cumulative



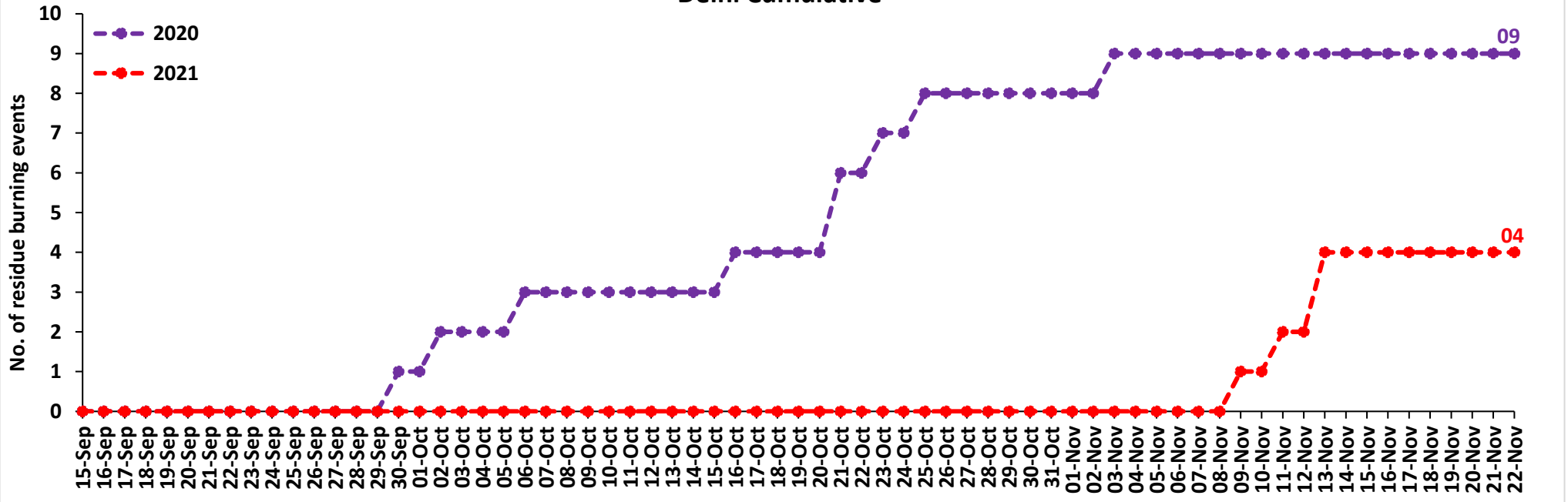
Rajasthan Cumulative



Madhya Pradesh Cumulative

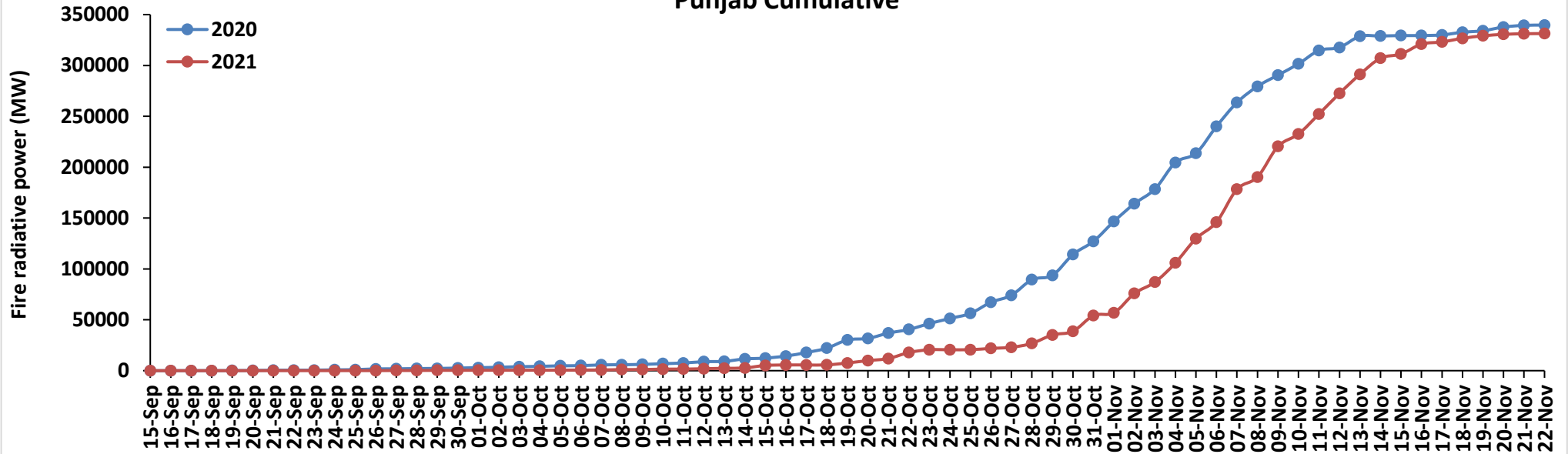


Delhi Cumulative

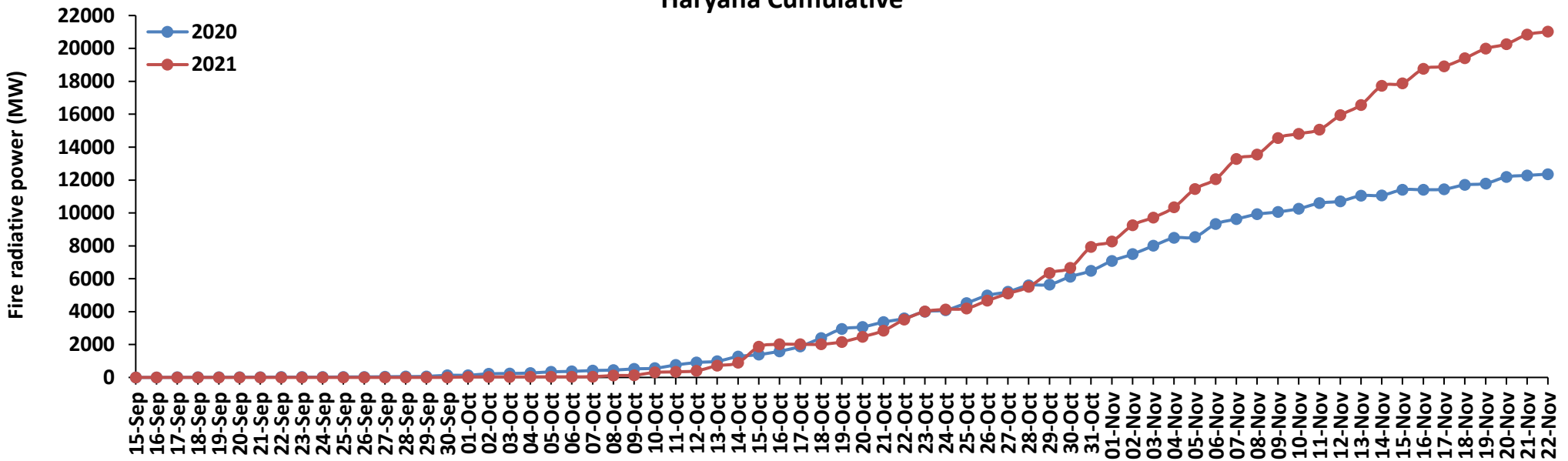


Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

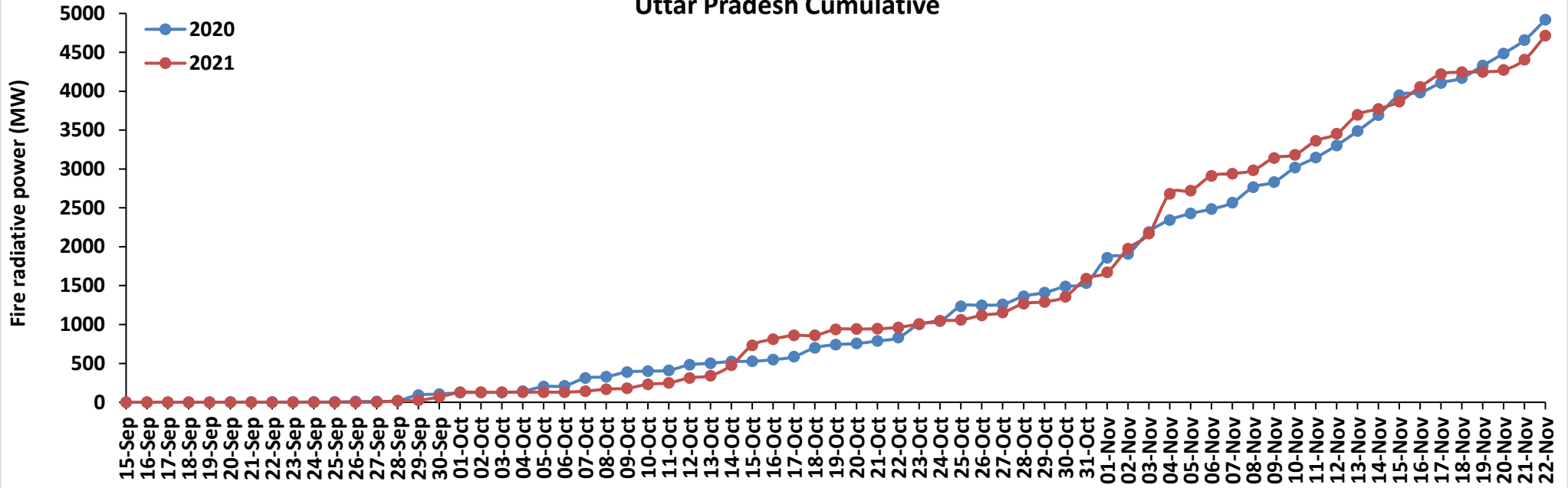
Punjab Cumulative



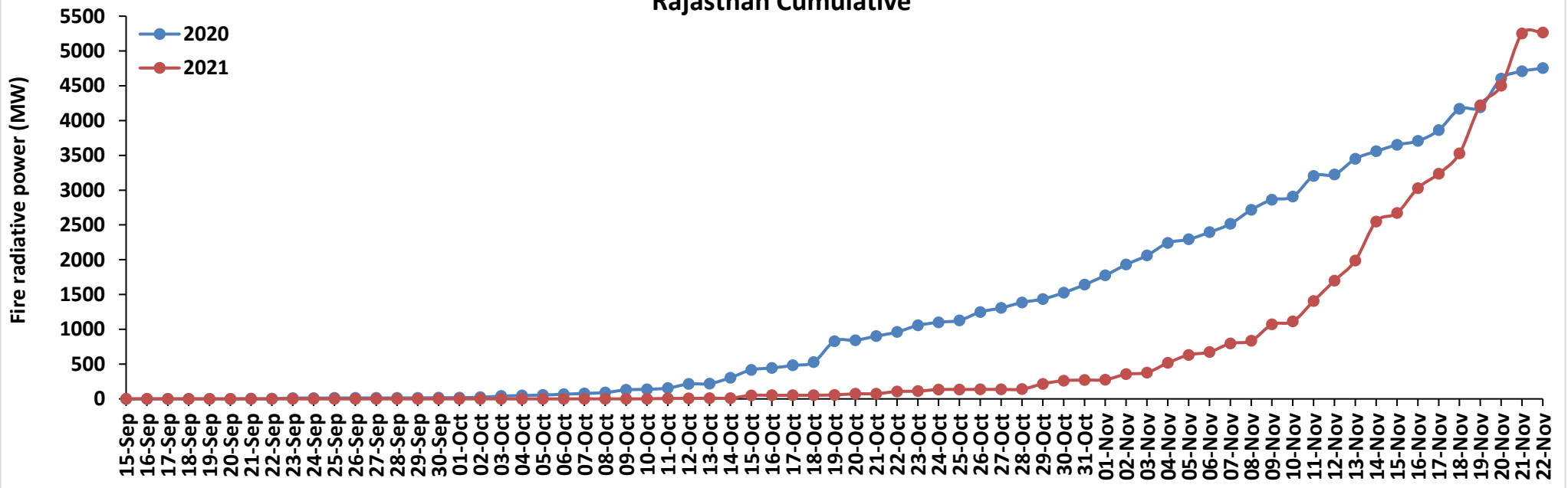
Haryana Cumulative



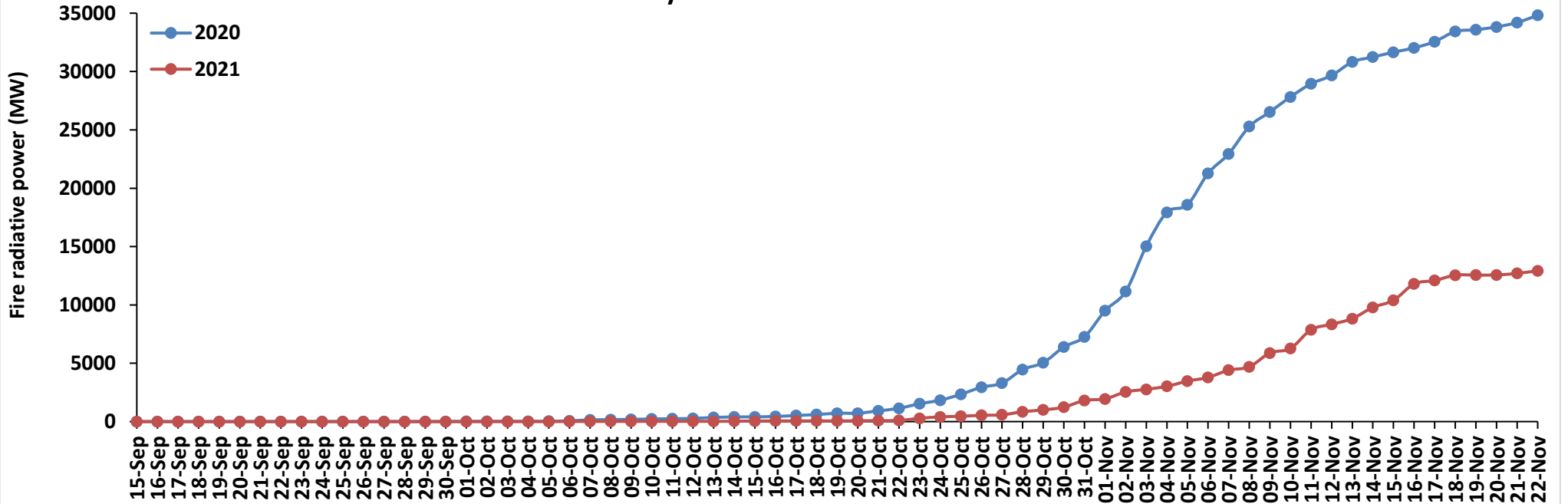
Uttar Pradesh Cumulative



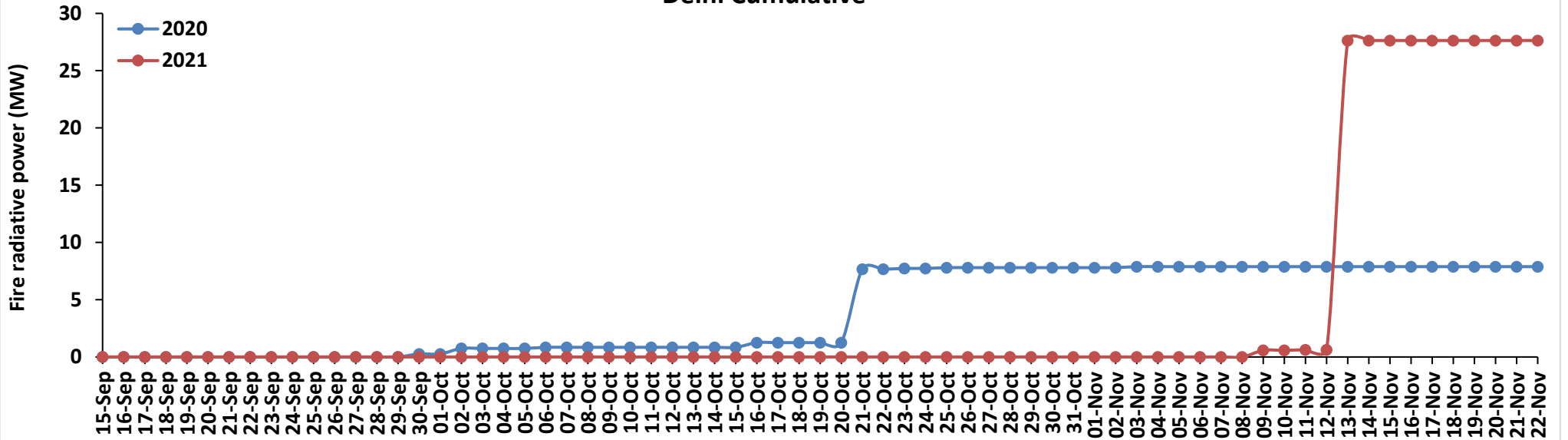
Rajasthan Cumulative



Madhya Pradesh Cumulative

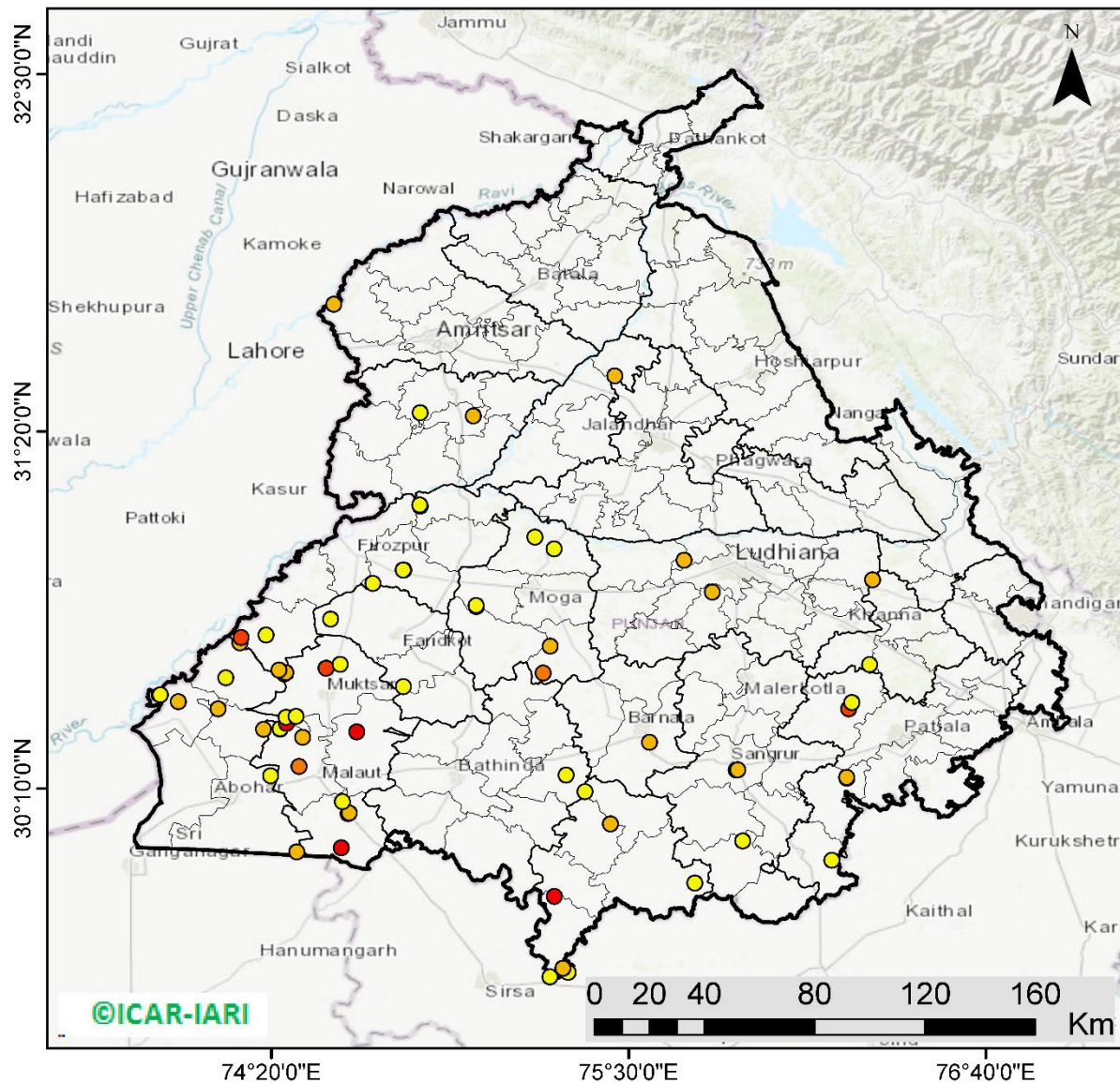


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



66 burning events detected in Punjab on 22nd November 2021

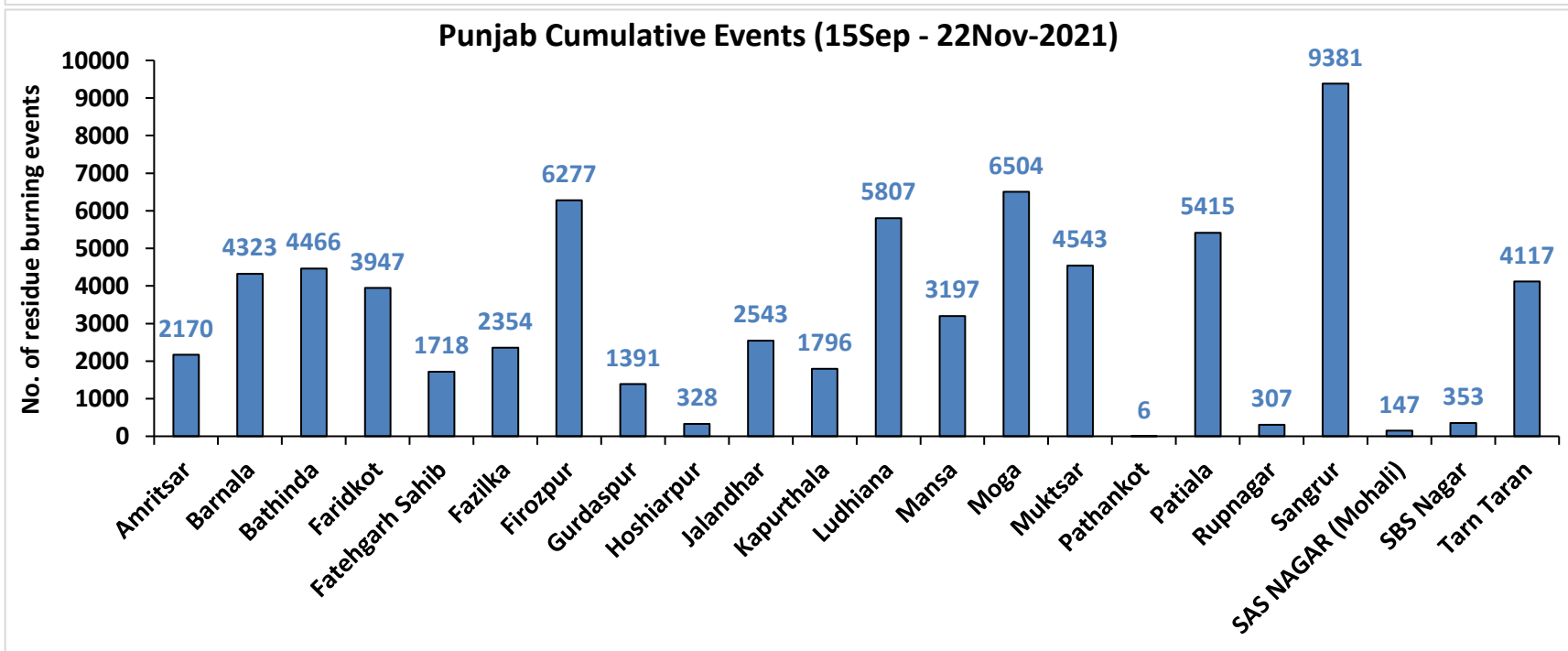
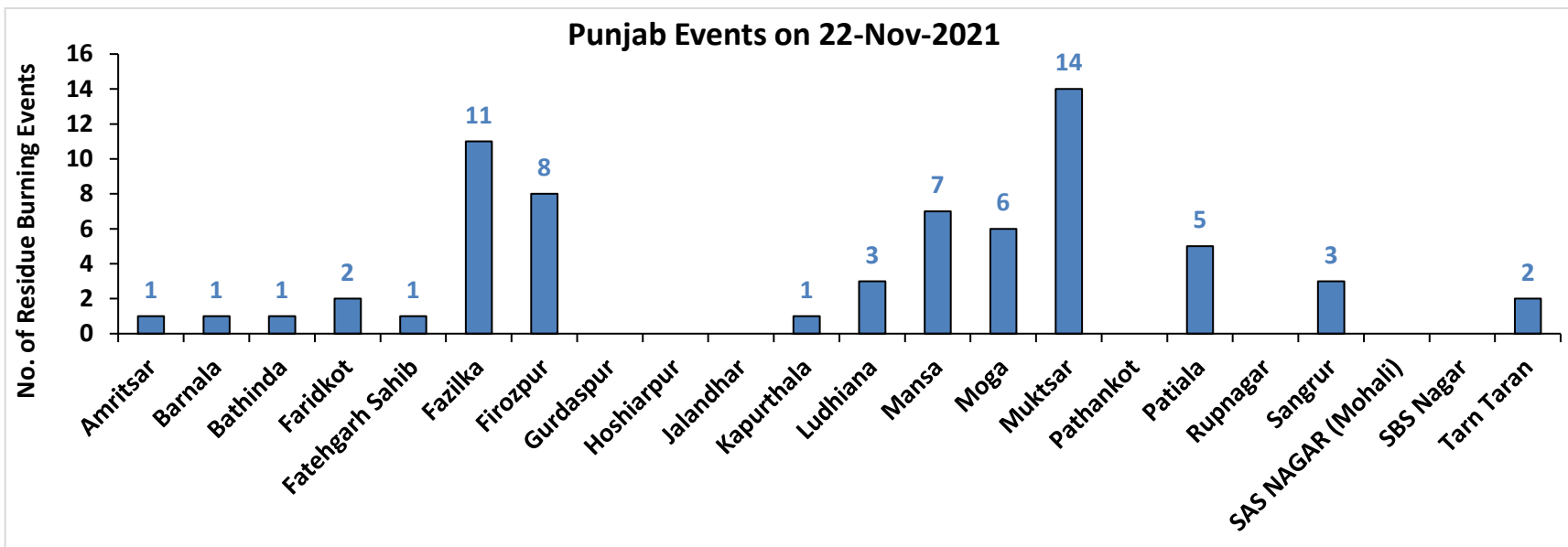
Fire Intensity (W/m²)

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



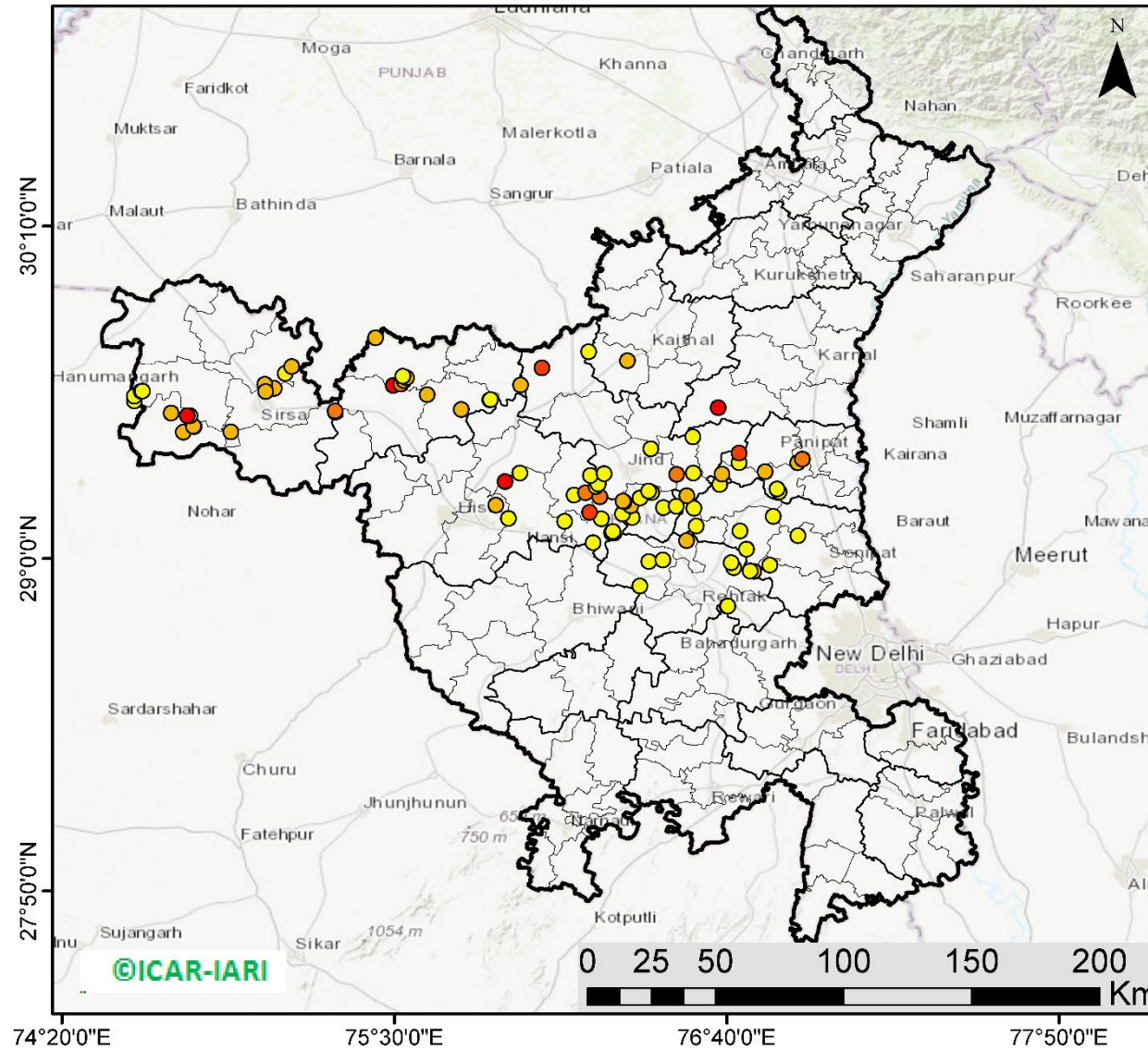
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15 Sep - 22 Nov-2021)



Haryana

RICE RESIDUE BURNING IN HARYANA



91 burning events detected in Haryana on **22nd November 2021**

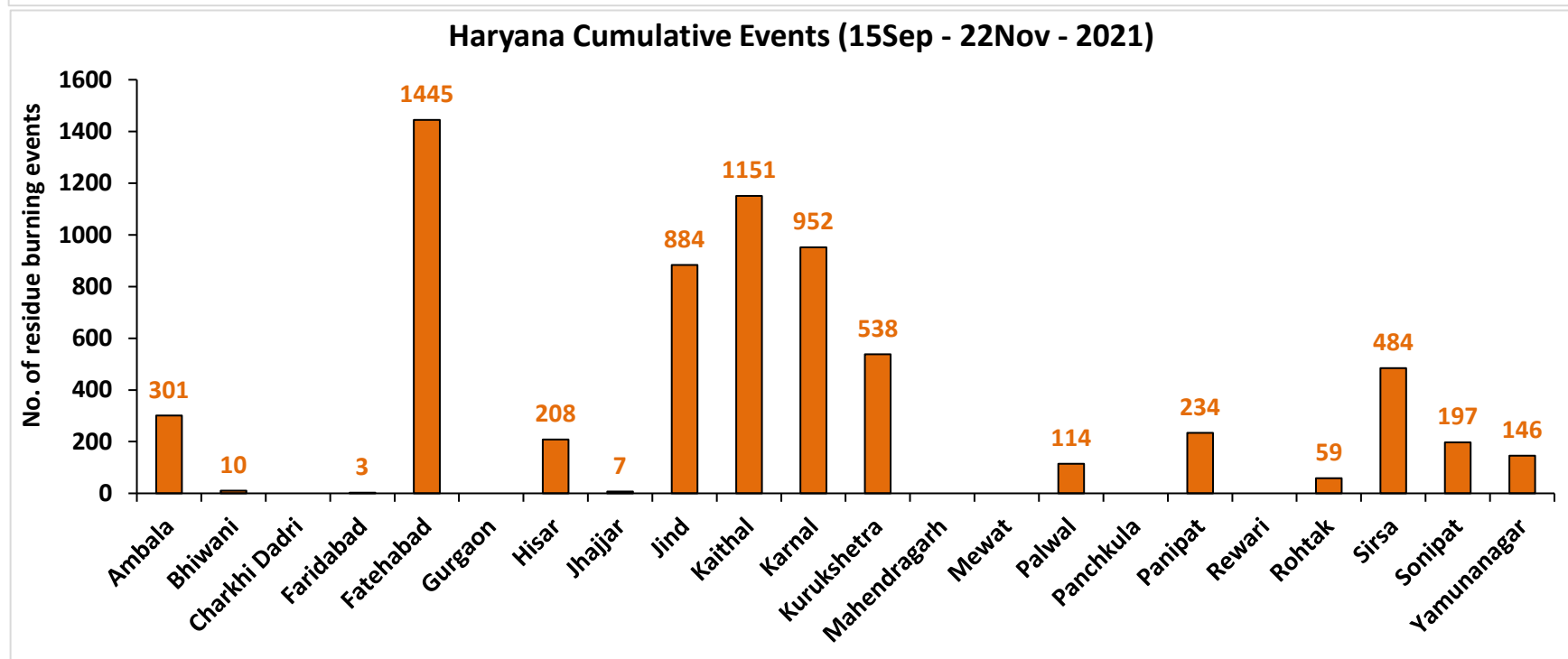
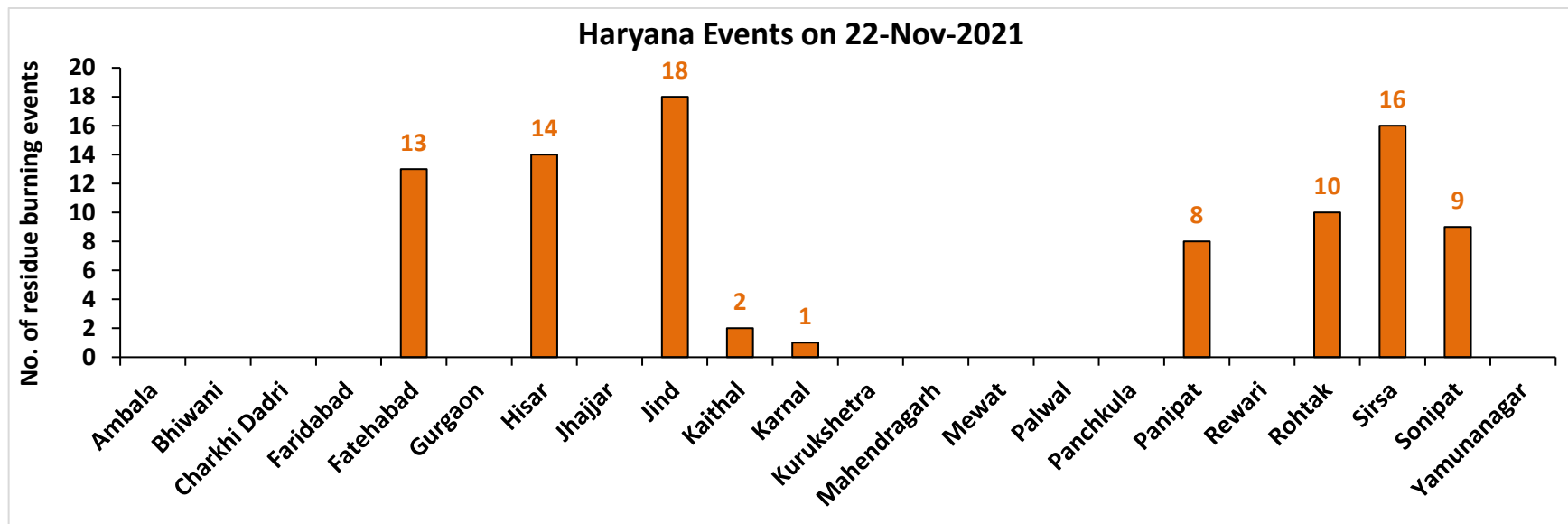
Fire Intensity (W/m²)

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



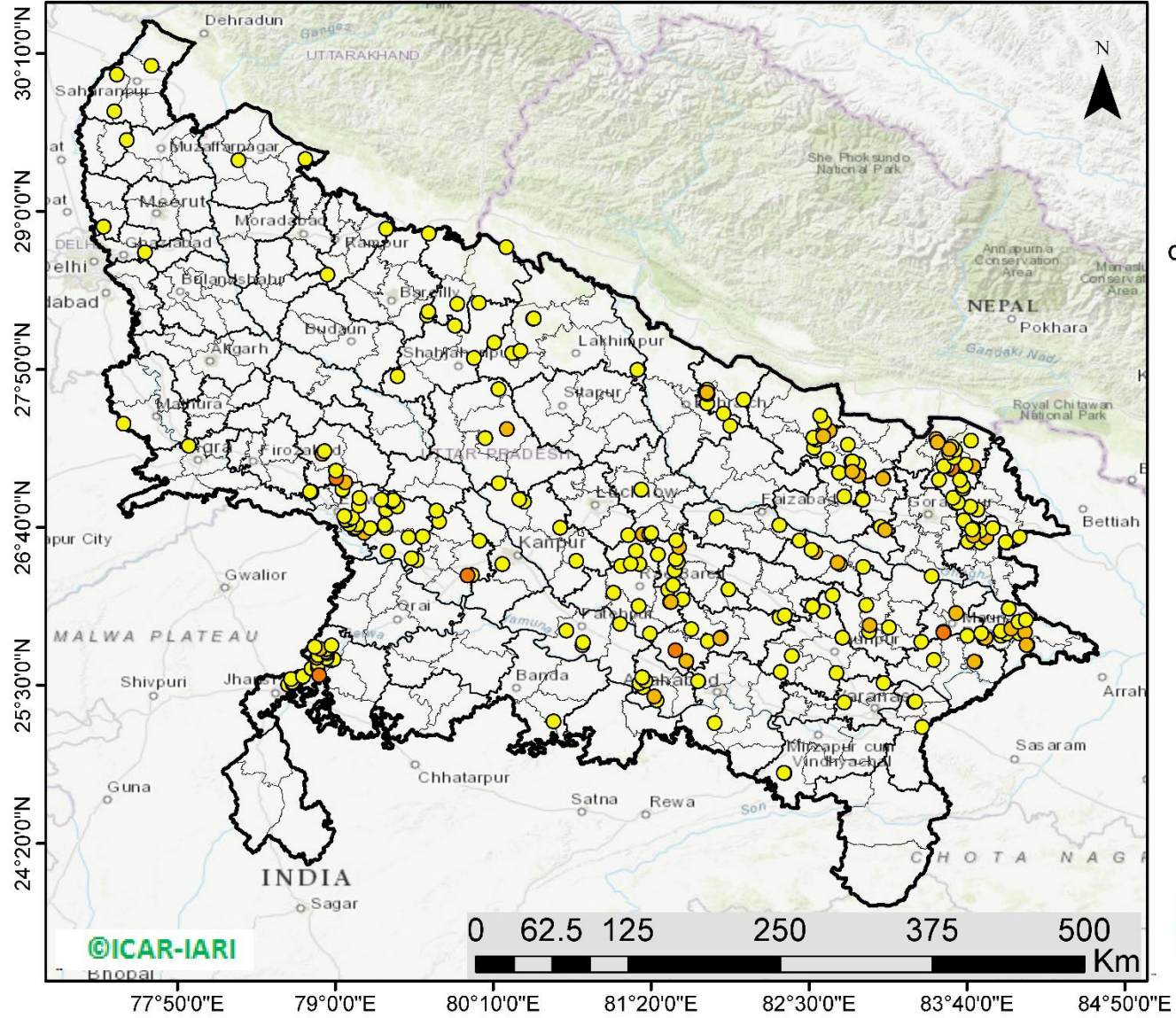
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Haryana (15 Sep - 22 Nov-2021)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



276 burning events detected in Uttar Pradesh on 22nd November 2021

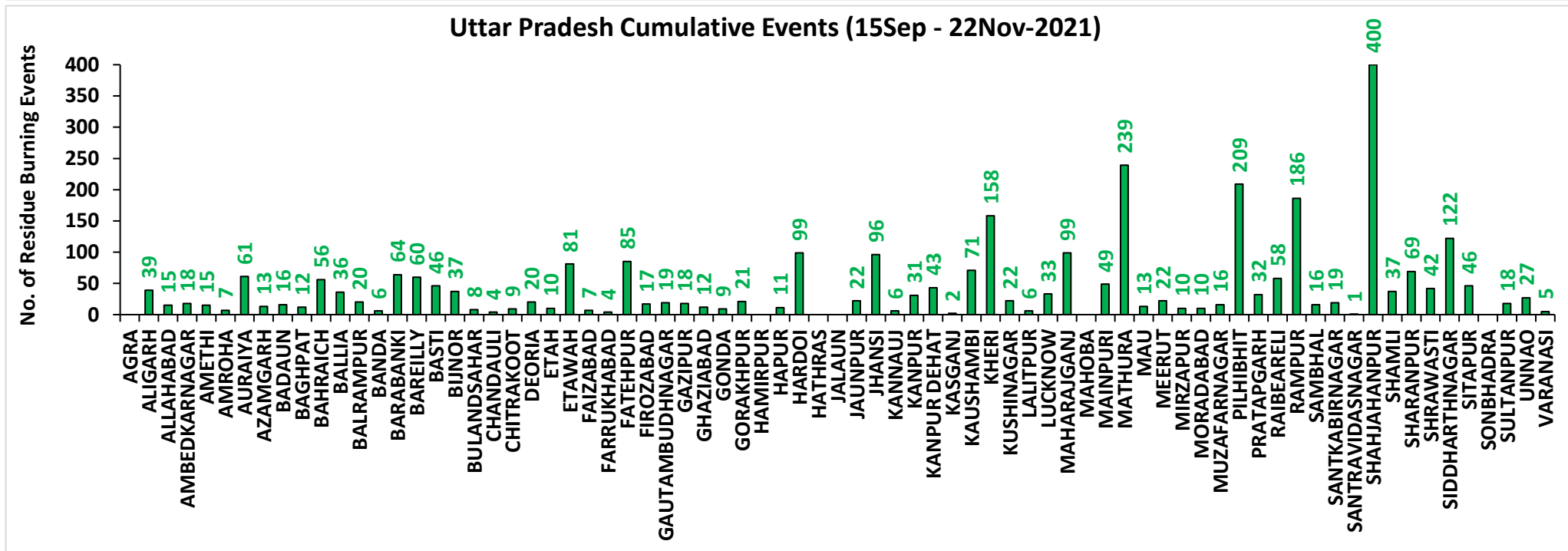
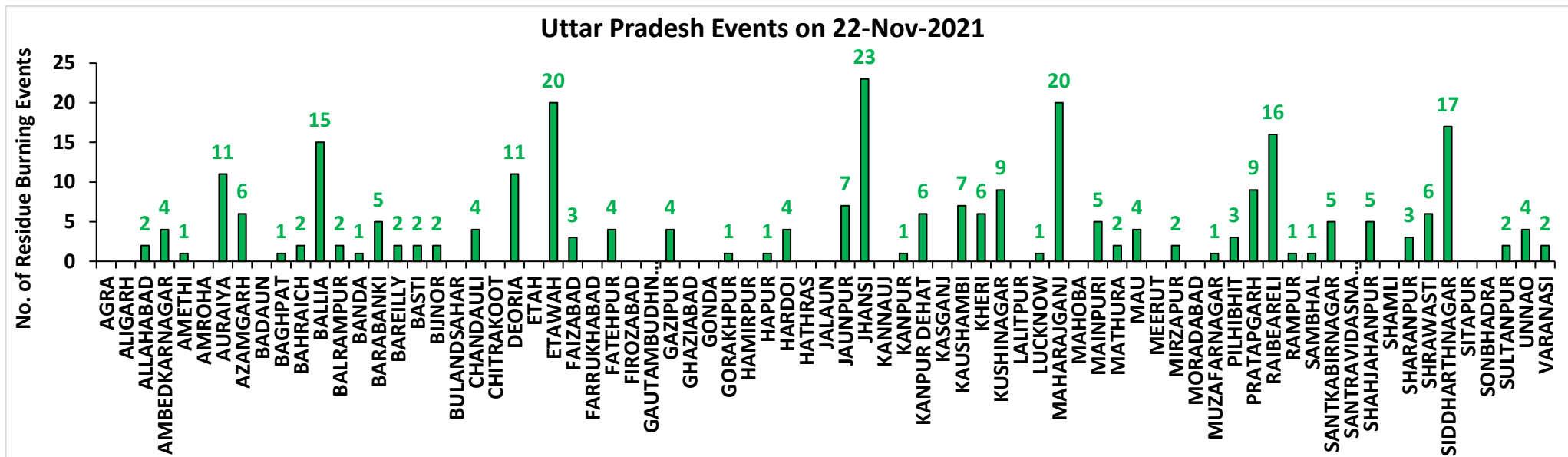
Fire Intensity (W/m2)

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



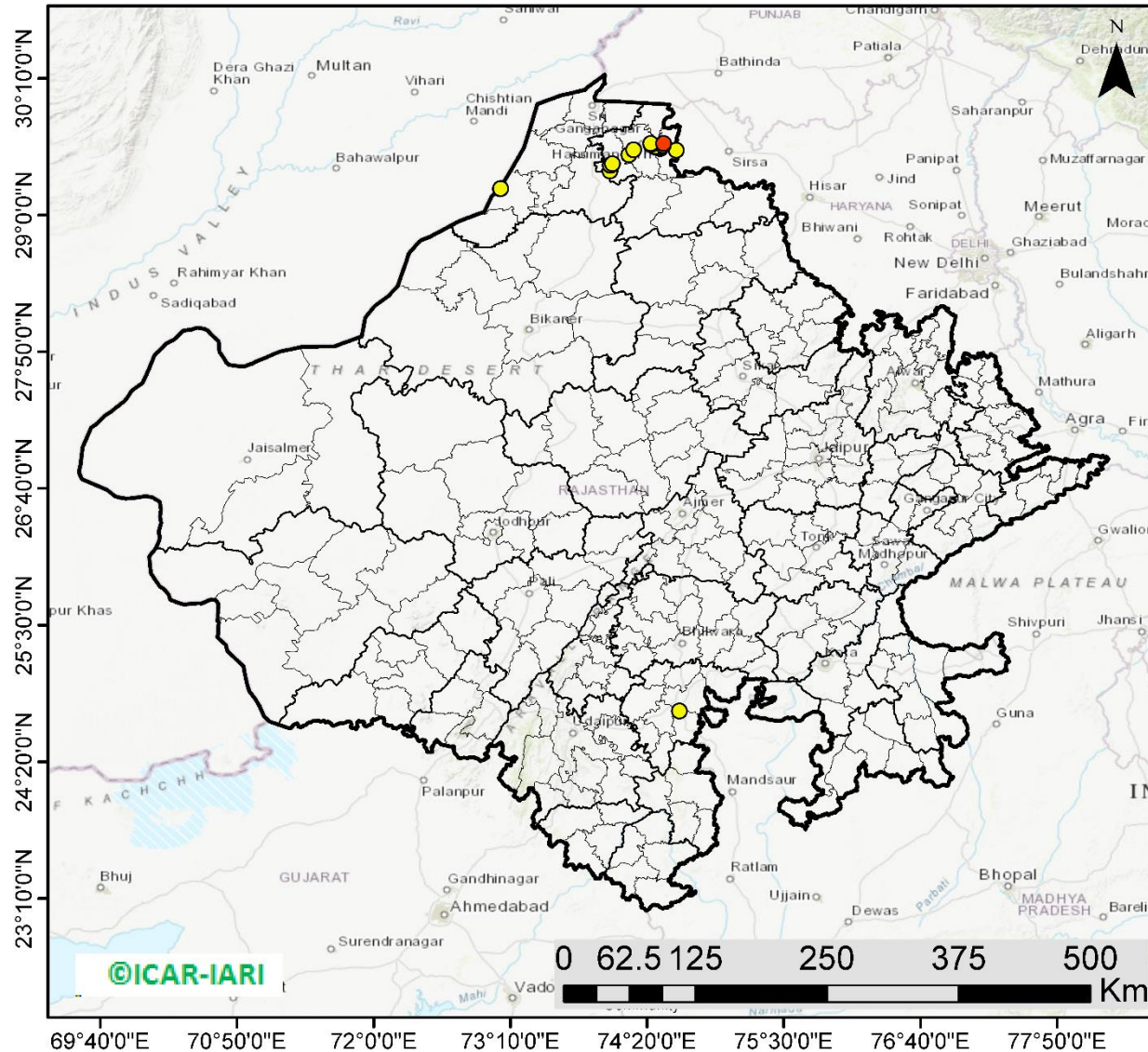
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 22 Nov-2021)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



21 burning events detected in Rajasthan on **22nd November 2021**

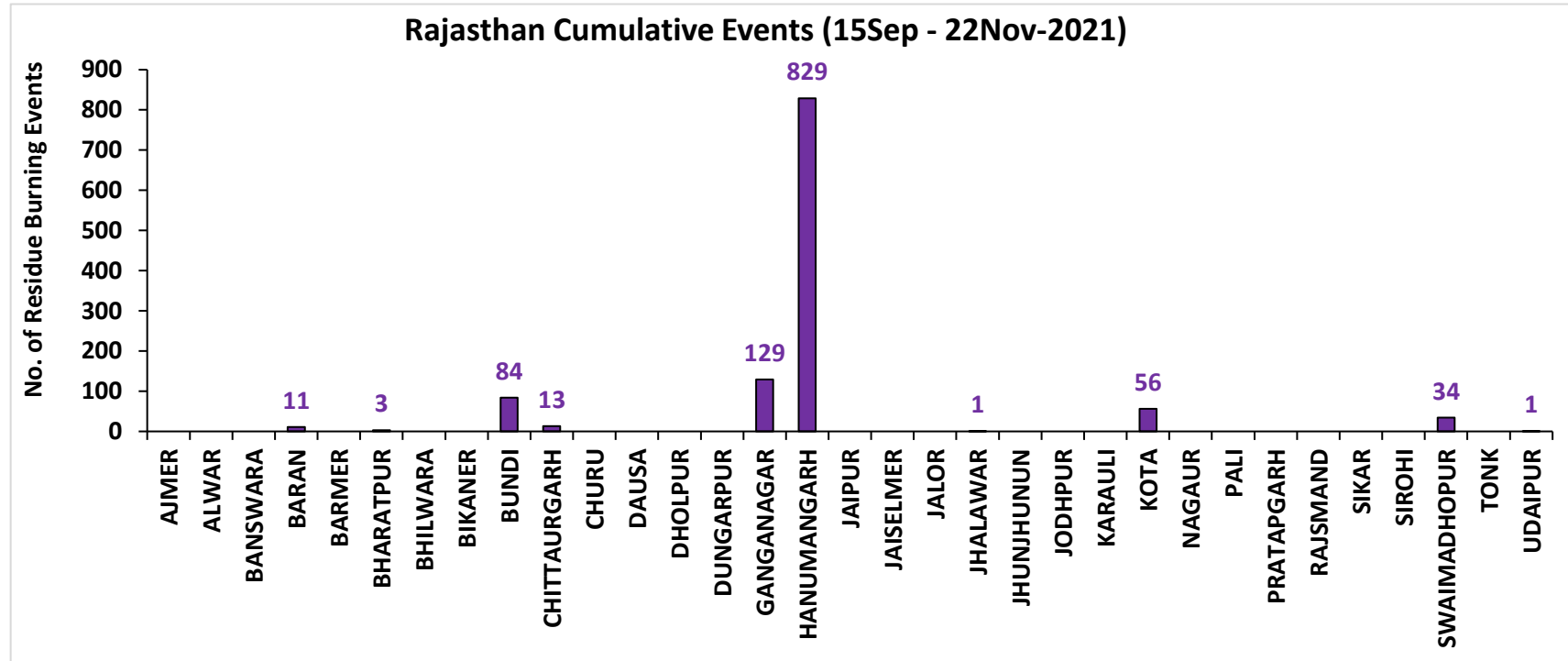
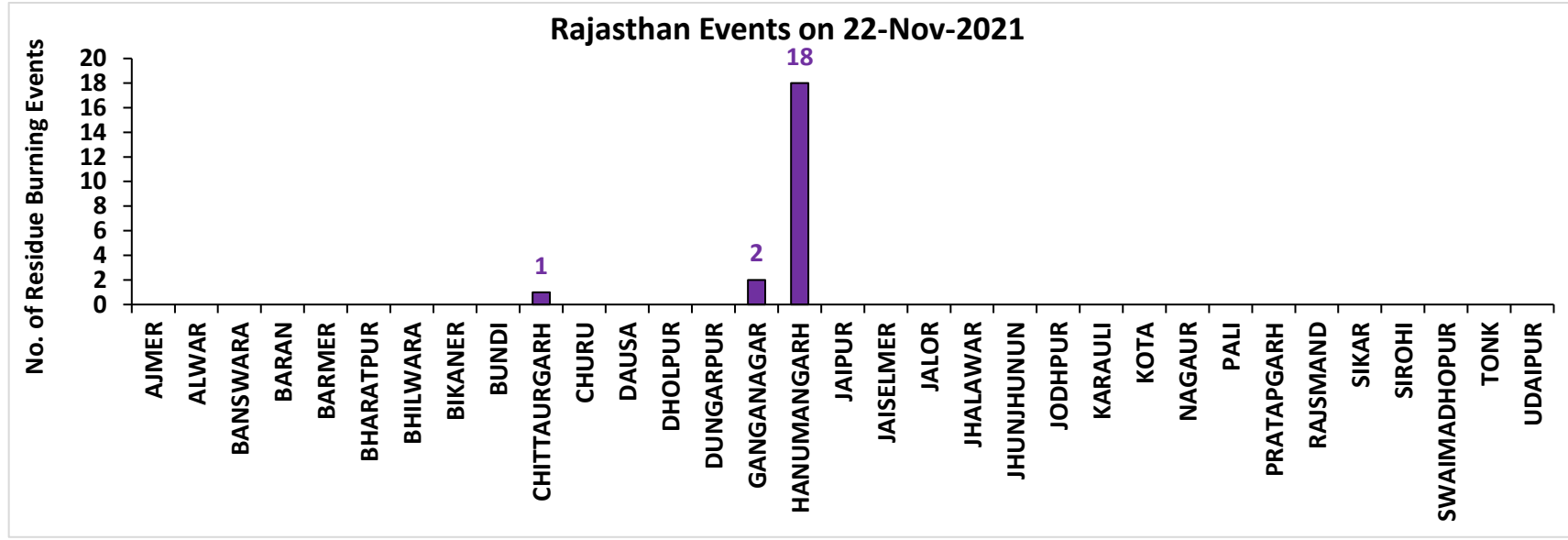
Fire Intensity (W/m²)

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



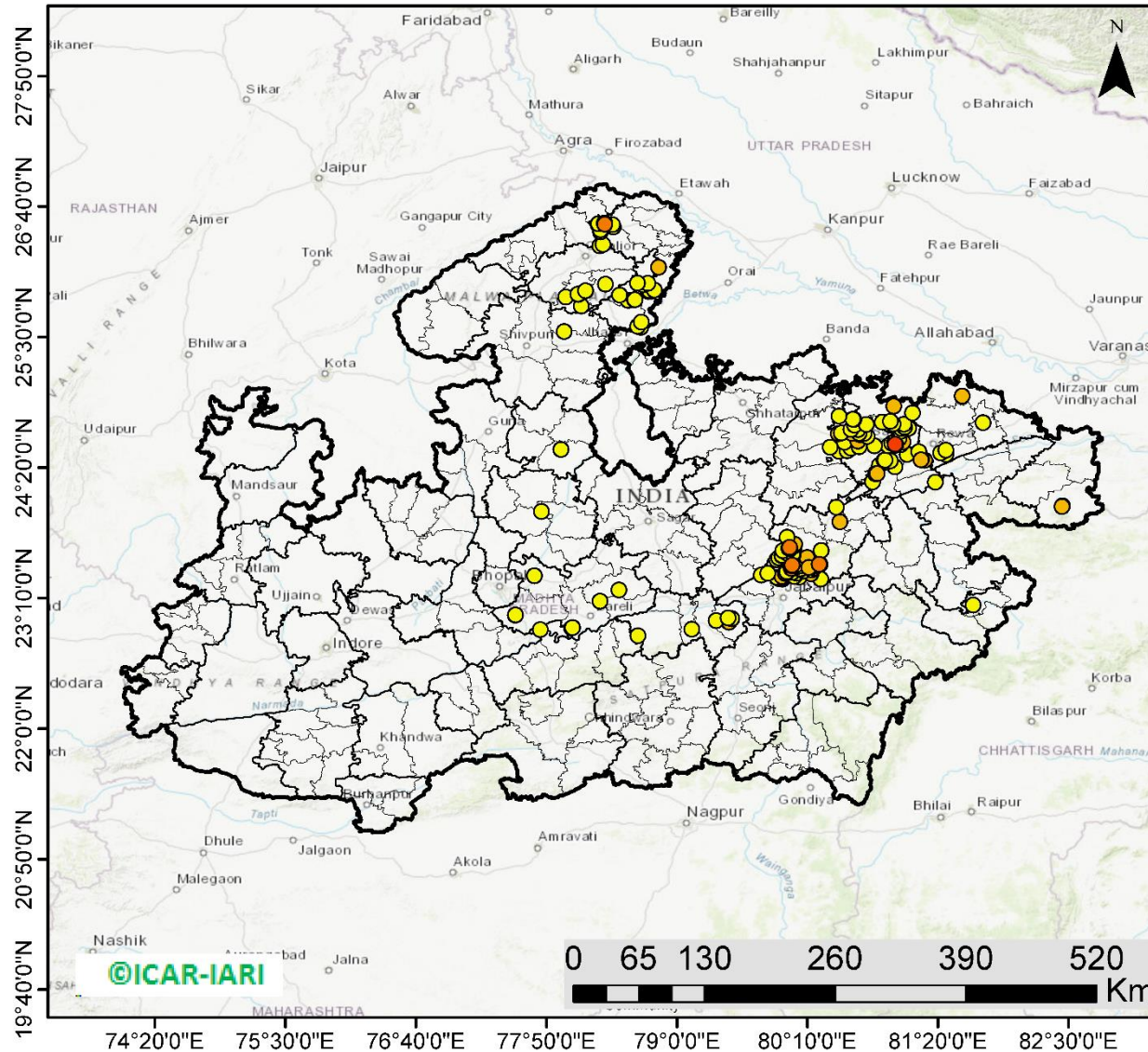
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 22 Nov-2021)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



188 burning events detected in MP on 22nd November 2021

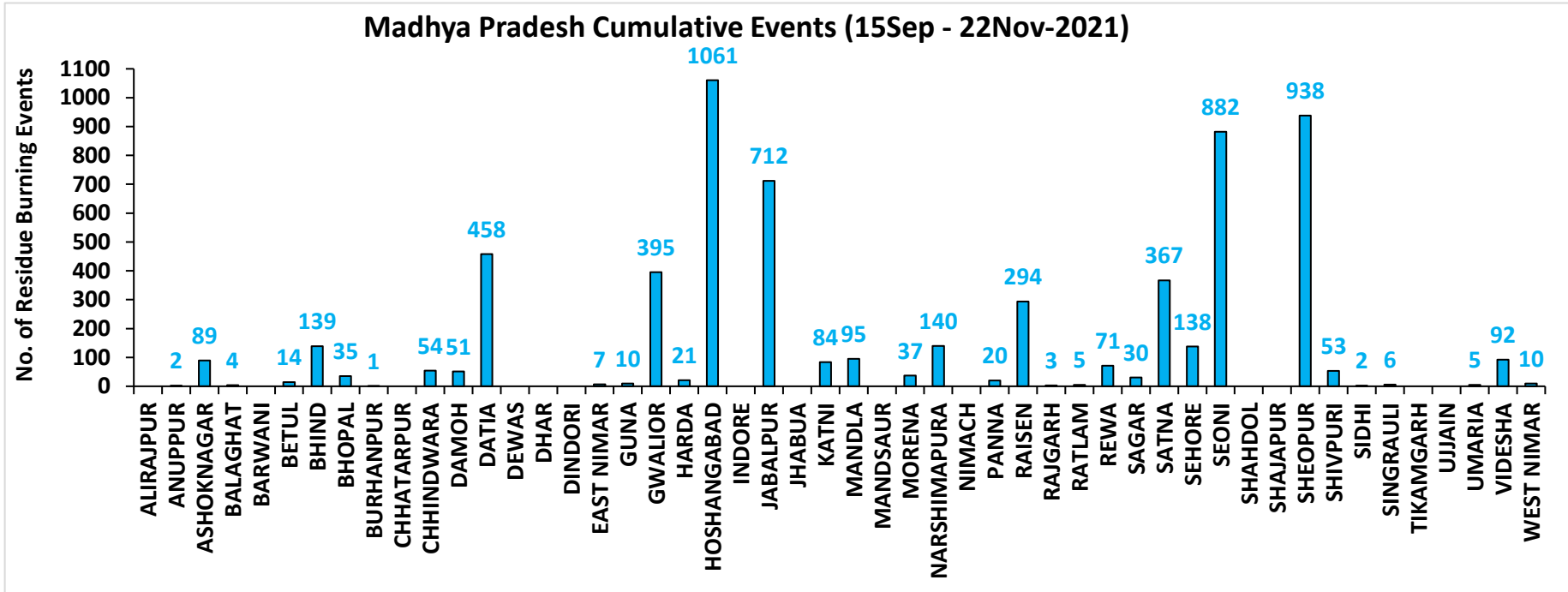
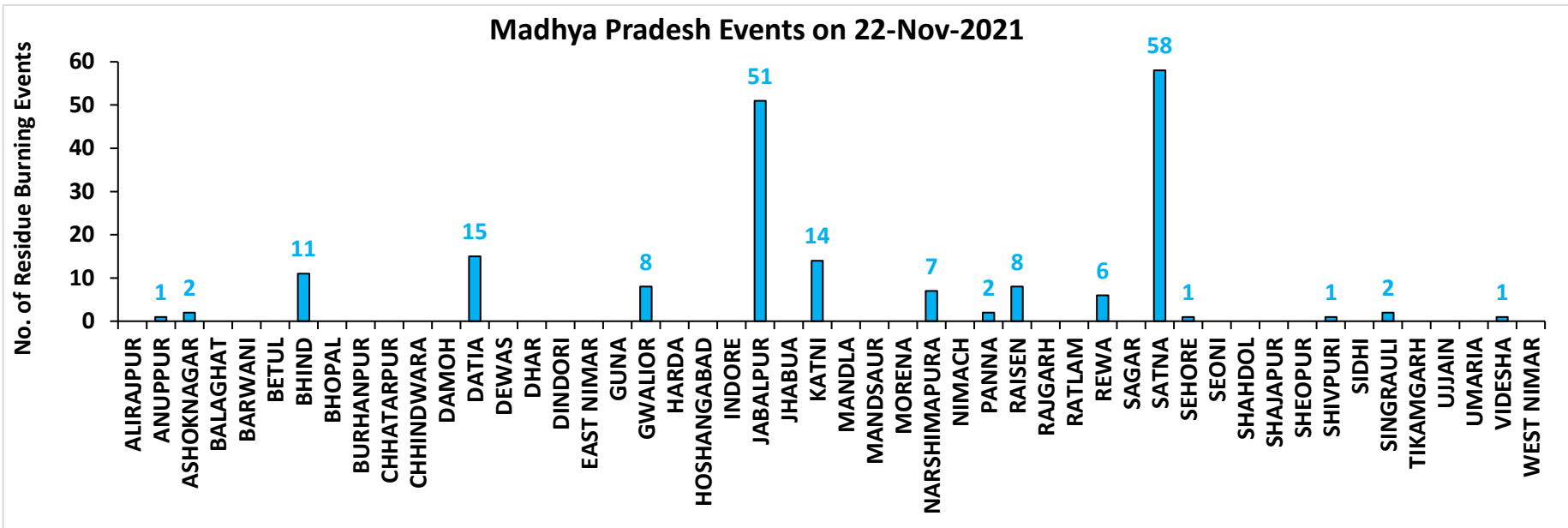
Fire Intensity (W/m²)

- 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 (15 Sep - 22 Nov-2021)



District-wise cumulative number of residues burning events detected in 2020 and 2021
(Period: 15 September - 22 November)

(a) Punjab

District	15 Sep – 22 Nov	
	2020	2021
AMRITSAR	3059	2170
BARNALA	5325	4323
BATHINDA	5224	4466
FARIDKOT	4726	3947
FATEHGARH SAHIB	1535	1718
FAZILKA	2517	2354
FIROZPUR	8507	6277
GURDASPUR	2122	1391
HOSHIARPUR	386	328
JALANDHAR	1938	2543
KAPURTHALA	1882	1796
LUDHIANA	5052	5807
MANSA	3774	3197
MOGA	7383	6504
MUKTSAR	4986	4543
PATHANKOT	13	6
PATIALA	6431	5415
RUPNAGAR	205	307
SANGRUR	11724	9381
SAS NAGAR (MOHALI)	127	147
SBS NAGAR	131	353
TARN TARAN	5603	4117
Total	82650	71090

(b) Haryana

District	15 Sep – 22 Nov	
	2020	2021
AMBALA	346	301
BHIWANI	4	10
CHARKHI DADRI	0	0
FARIDABAD	1	3
FATEHABAD	819	1445
GURGAON	0	0
HISAR	51	208
JHAJJAR	6	7
JIND	340	884
KAITHAL	835	1151
KARNAL	581	952
KURUKSHETRA	406	538
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	46	114
PANCHKULA	0	0
PANIPAT	49	234
REWARI	0	0
ROHTAK	48	59
SIRSA	221	484
SONIPAT	69	197
YAMUNANAGAR	142	146
Total	3964	6733

(c) Uttar Pradesh

District	15 Sep – 22 Nov							
	2020	2021	GAUTAMBUDHNAGAR	14	19	MUZAFARNAGAR	40	16
AGRA	7	0	GAZIPUR	15	18	PILHIBHIT	17	209
ALIGARH	112	39	GHAZIABAD	25	12	PRATAPGARH	37	32
ALLAHABAD	28	15	GONDA	12	9	RAIBEARELI	29	58
AMBEDKARNAGAR	20	18	GORAKHPUR	41	21	RAMPUR	159	186
AMETHI	3	15	HAMIRPUR	5	0	SAMBHAL	18	16
AMROHA	11	7	HAPUR	26	11	SANTKABIRNAGAR	28	19
AURAIYA	78	61	HARDOI	95	99	SANTRAVIDASNAGAR	4	1
AZAMGARH	45	13	HATHRAS	0	0	SHAHJAHANPUR	135	400
BADAUN	13	16	JALAUN	41	0	SHAMLI	46	37
BAGHPAT	16	12	JAUNPUR	40	22	SHARANPUR	93	69
BAHRAICH	105	56	JHANSI	296	96	SHRAWASTI	45	42
BALLIA	90	36	KANNAUJ	33	6	SIDDHARTHANAGAR	73	122
BALRAMPUR	67	20	KANPUR	29	31	SITAPUR	54	46
BANDA	22	6	KANPUR DEHAT	76	43	SONBHADRA	0	0
BARABANKI	35	64	KASGANJ	2	2	SULTANPUR	5	18
BAREILLY	74	60	KAUSHAMBI	61	71	UNNAO	42	27
BASTI	54	46	KHERI	150	158	VARANASI	2	5
BIJNOR	39	37	KUSHINAGAR	72	22	Total	3523	3190
BULANDSAHAR	53	8	LALITPUR	3	6			
CHANDAULI	3	4	LUCKNOW	35	33			
CHITRAKOOT	12	9	MAHARAJGANJ	51	99			
DEORIA	81	20	MAHOBA	27	0			
ETAH	17	10	MAINPURI	63	49			
ETAWAH	69	81	MATHURA	160	239			
FAIZABAD	9	7	MAU	24	13			
FARRUKHABAD	6	4	MEERUT	59	22			
FATEHPUR	113	85	MIRZAPUR	7	10			
FIROZABAD	26	17	MORADABAD	26	10			

(d) Delhi

District	15 Sep – 22 Nov	
	2020	2021
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	3	3
NORTH EAST	0	0
NORTH WEST DELHI	3	1
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	2	0
Total	9	4

(e) Rajasthan

District	15 Sep – 22 Nov	
	2020	2021
AJMER	3	0
ALWAR	9	0
BANSWARA	0	0
BARAN	167	11
BARMER	4	0
BHARATPUR	2	3
BHILWARA	11	0
BIKANER	1	0
BUNDI	128	84
CHITTAURGARH	1	13
CHURU	0	0
DAUSA	1	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	182	129
HANUMANGARH	838	829
JAIPUR	4	0
JAISELMER	5	0
JALOR	2	0
JHALAWAR	9	1
JHUNJHUNUN	1	0
JODHPUR	5	0
KARALI	1	0
KOTA	116	56
NAGPUR	3	0
PALI	9	0
PRATAPGARH	8	0
RAJSMAND	1	0
SIKAR	0	0
SIROHI	2	0
SWAIMADHOPUR	65	34
TONK	5	0
UDAIPUR	2	1
Total	1585	1161

(f) Madhya Pradesh

District	15 Sep – 22 Nov				
	2020	2021			
			PANNA	49	20
ALIRAJPUR	0	0	RAISEN	590	294
ANUPPUR	0	2	RAJGARH	10	3
ASHOKNAGAR	153	89	RATLAM	10	5
BALAGHAT	5	4	REWA	127	71
BARWANI	3	0	SAGAR	28	30
BETUL	36	14	SATNA	548	367
BHIND	253	139	SEHORE	151	138
BHOPAL	49	35	SEONI	1228	882
BURHANPUR	15	1	SHAHDOL	3	0
CHHATARPUR	7	0	SHAJAPUR	18	0
CHHINDWARA	127	54	SHEOPUR	1832	938
DAMOH	75	51	SHIVPURI	357	53
DATIA	1183	458	SIDHI	4	2
DEWAS	8	0	SINGRAULI	0	6
DHAR	43	0	TIKAMGARH	4	0
DINDORI	0	0	UJJAIN	12	0
EAST NIMAR	22	7	UMARIA	7	5
GUNA	67	10	VIDESHA	135	92
GWALIOR	1985	395	WEST NIMAR	65	10
HARDA	14	21	Total	13385	6325
HOSHANGABAD	1057	1061			
INDORE	4	0			
JABALPUR	2302	712			
JHABUA	0	0			
KATNI	308	84			
MANDLA	141	95			
MANDSAUR	13	0			
MORENA	62	37			
NARSHIMAPURA	273	140			
NIMACH	2	0			

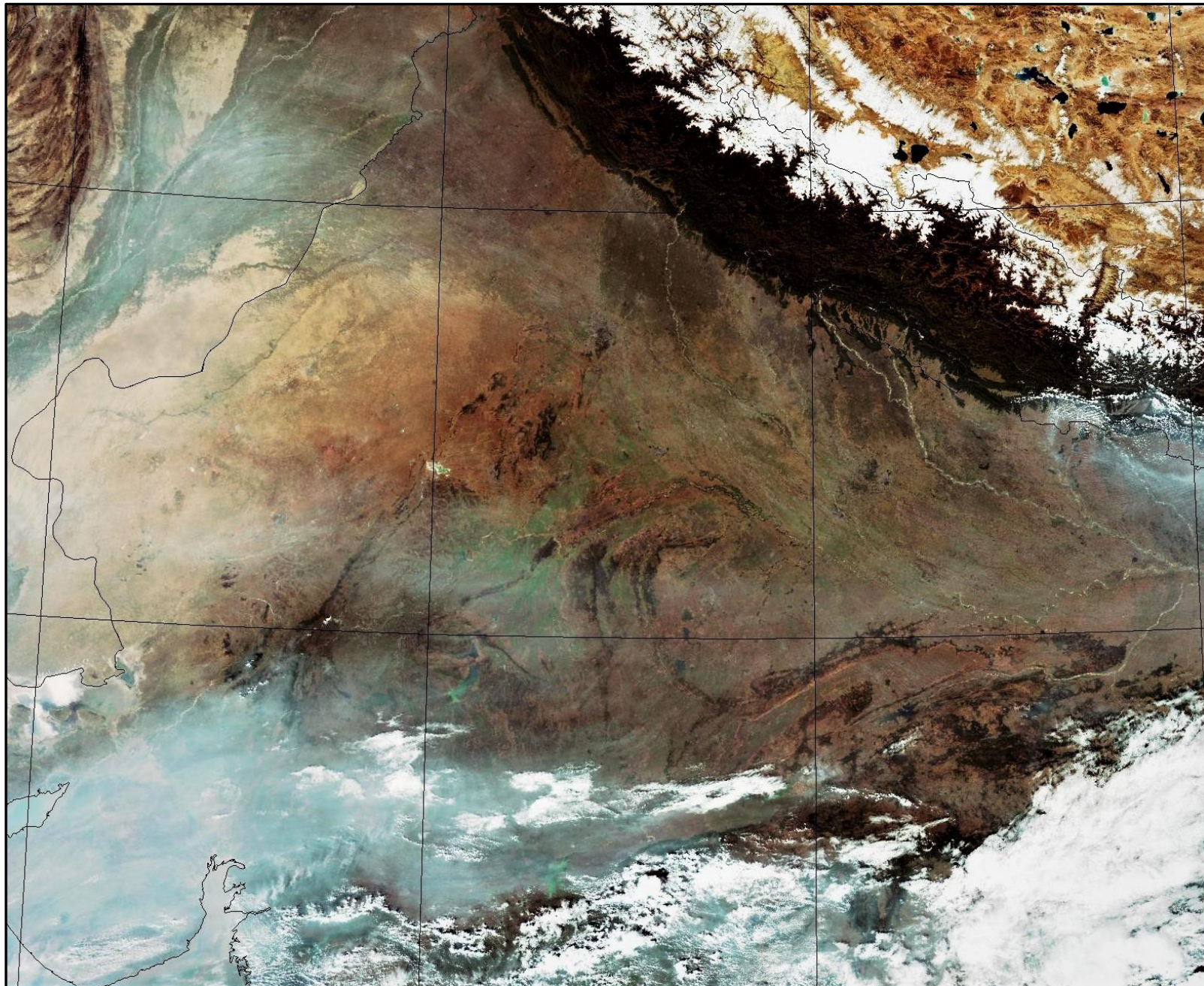
State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021
(Period: 15 September – 22 November)

Number of Paddy Residue Burning Events Detected												
	Punjab		Haryana		Uttar Pradesh		Delhi		Rajasthan		Madhya Pradesh	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
15-Sep	5	0	2	0	1	0	0	0	1	0	2	0
16-Sep	0	2	1	0	0	0	0	0	0	0	0	0
17-Sep	5	0	3	0	0	0	0	0	0	0	0	0
18-Sep	17	9	0	0	0	1	0	0	0	0	0	0
19-Sep	30	5	2	0	0	1	0	0	0	0	0	0
20-Sep	67	8	6	0	2	0	0	0	0	0	0	0
21-Sep	54	0	2	0	1	0	0	0	1	0	2	0
22-Sep	34	0	1	0	1	0	0	0	0	0	0	0
23-Sep	49	0	0	0	1	0	0	0	1	0	0	0
24-Sep	78	5	0	0	1	1	0	0	0	0	0	0
25-Sep	184	11	11	0	5	0	0	0	1	0	0	0
26-Sep	190	19	5	0	8	0	0	0	1	0	2	0
27-Sep	78	37	8	0	4	1	0	0	0	0	1	0
28-Sep	55	28	6	1	1	6	0	0	0	0	1	1
29-Sep	63	64	9	4	6	10	0	0	3	0	0	4
30-Sep	116	27	22	2	13	13	1	0	1	0	5	0
01-Oct	165	13	15	4	7	13	0	0	4	1	13	0
02-Oct	141	0	30	2	12	0	1	0	7	0	12	0
03-Oct	110	9	8	6	4	3	0	0	9	0	5	1
04-Oct	162	23	29	2	8	0	0	0	15	0	4	2
05-Oct	161	18	17	3	14	2	0	0	14	0	13	1
06-Oct	171	42	30	0	12	1	1	0	16	0	37	1
07-Oct	197	72	32	11	41	13	0	0	14	1	31	1
08-Oct	95	108	29	27	25	11	0	0	11	0	17	2
09-Oct	121	114	20	39	15	20	0	0	12	0	15	4
10-Oct	232	150	33	95	9	54	0	0	14	1	18	10
11-Oct	377	64	90	51	23	28	0	0	21	7	32	2

12-Oct	388	97	69	51	46	23	0	0	24	1	44	1
13-Oct	266	132	47	91	36	42	0	0	7	5	21	2
14-Oct	605	229	69	98	9	68	0	0	16	1	15	11
15-Oct	449	660	106	363	15	149	0	0	9	8	8	27
16-Oct	654	429	80	176	21	121	1	0	12	2	23	13
17-Oct	1172	14	143	0	38	39	0	0	26	0	63	1
18-Oct	938	57	166	1	76	0	0	0	37	2	88	0
19-Oct	1080	496	72	55	43	5	0	0	27	5	49	1
20-Oct	890	788	62	155	31	1	0	0	26	4	9	21
21-Oct	1392	597	101	131	25	5	2	0	32	2	112	30
22-Oct	1665	1111	128	140	32	3	0	0	29	5	183	29
23-Oct	1438	620	106	218	84	8	1	0	23	7	204	32
24-Oct	911	0	57	38	63	11	0	0	20	4	150	34
25-Oct	1416	76	155	71	50	18	1	0	18	2	144	60
26-Oct	2126	329	77	175	33	41	0	0	34	3	178	55
27-Oct	2563	279	96	93	40	58	0	0	42	1	294	62
28-Oct	3232	906	139	149	87	35	0	0	45	4	537	110
29-Oct	1624	1353	52	161	139	32	0	0	29	23	349	97
30-Oct	3946	1373	100	148	50	53	0	0	17	20	428	168
31-Oct	3531	2895	108	353	49	170	0	0	37	15	455	299
01-Nov	3835	1796	151	124	74	157	0	0	51	5	709	198
02-Nov	4098	3001	111	203	82	87	0	0	55	19	820	214
03-Nov	2818	2512	93	197	197	66	1	0	34	20	771	148
04-Nov	4584	3032	72	228	152	123	0	0	46	19	618	123
05-Nov	4529	5327	66	331	52	70	0	0	46	45	474	320
06-Nov	5382	3942	151	219	43	208	0	0	40	32	678	248
07-Nov	5491	5199	150	182	86	46	0	0	57	38	848	199
08-Nov	3674	4397	115	138	169	21	0	0	33	44	981	170
09-Nov	1718	5079	21	217	115	51	0	1	34	48	495	330
10-Nov	3127	4008	80	184	101	77	0	0	48	40	346	380
11-Nov	2822	4156	93	126	71	151	0	1	75	55	418	506
12-Nov	1989	3403	83	127	108	120	0	0	31	40	422	185
13-Nov	2441	3742	105	210	172	95	0	2	54	78	670	171
14-Nov	307	2541	35	195	258	49	0	0	16	88	294	346
15-Nov	32	1761	31	129	29	67	0	0	6	51	35	353
16-Nov	8	1757	0	269	15	138	0	0	16	81	145	660

17-Nov	248	523	9	101	38	177	0	0	60	38	191	261
18-Nov	670	680	60	111	62	14	0	0	75	77	352	126
19-Nov	454	448	37	132	129	11	0	0	27	73	124	16
20-Nov	677	283	77	127	134	20	0	0	59	53	106	6
21-Nov	457	168	65	178	135	106	0	0	57	72	159	95
22-Nov	46	66	15	91	120	276	0	0	9	21	165	188
Total	82650	71090	3964	6733	3523	3190	9	4	1585	1161	13385	6325

SNPP (VIIRS) Satellite image (TCC) of North and Central India Acquired on 22-Nov-2021 at 13:12:00 IST by IARI Ground Station



Details of residue burning events in Punjab on 22-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	CHOGAWAN	S-NPP	31.74840	74.53757	11/22/2021	13:15	D	5.41
2	BARNALA	BARNALA	S-NPP	30.31742	75.56839	11/22/2021	13:13	D	6.00
3	BATHINDA	RAMPURA	S-NPP	30.21033	75.29627	11/22/2021	13:13	D	3.43
4	FARIDKOT	FARIDKOT	S-NPP	30.71982	74.52727	11/22/2021	13:15	D	3.59
5	FARIDKOT	KOT KAPURA	S-NPP	30.49965	74.76436	11/22/2021	13:15	D	3.83
6	FATEHGARH SAHIB	AMLOH	S-NPP	30.57150	76.28719	11/22/2021	13:13	D	2.96
7	FAZILKA	ABOHAR	S-NPP	29.96004	74.41655	11/22/2021	13:13	D	7.53
8	FAZILKA	ABOHAR	S-NPP	30.20811	74.33115	11/22/2021	13:13	D	2.31
9	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.35995	74.30827	11/22/2021	13:13	D	6.48
10	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.42658	74.15933	11/22/2021	13:15	D	6.28
11	FAZILKA	FAZILKA	S-NPP	30.45077	74.02927	11/22/2021	13:15	D	9.70
12	FAZILKA	FAZILKA	S-NPP	30.47300	73.97112	11/22/2021	13:15	D	2.32
13	FAZILKA	JALALABAD	S-NPP	30.52809	74.18475	11/22/2021	13:15	D	2.32
14	FAZILKA	JALALABAD	S-NPP	30.54075	74.37550	11/22/2021	13:15	D	9.17
15	FAZILKA	JALALABAD	S-NPP	30.54586	74.38039	11/22/2021	13:15	D	9.17
16	FAZILKA	JALALABAD	S-NPP	30.64272	74.23093	11/22/2021	13:15	D	9.17
17	FAZILKA	JALALABAD	AQUA	30.54195	74.38107	11/22/2021	13:11	D	55.17
18	FIROZPUR	FIROZPUR	S-NPP	31.09274	74.81832	11/22/2021	13:15	D	2.49
19	FIROZPUR	GHALL KHURD	S-NPP	30.83657	74.66520	11/22/2021	13:15	D	3.52
20	FIROZPUR	GHALL KHURD	S-NPP	30.88022	74.76627	11/22/2021	13:15	D	2.80
21	FIROZPUR	GHALL KHURD	S-NPP	30.88065	74.76392	11/22/2021	13:15	D	3.22
22	FIROZPUR	GURUHAR SAHAI	S-NPP	30.55399	74.35854	11/22/2021	13:15	D	8.95
23	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66013	74.23473	11/22/2021	13:15	D	17.81
24	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66781	74.31636	11/22/2021	13:15	D	2.61
25	FIROZPUR	MAKHU	S-NPP	31.08893	74.81931	11/22/2021	13:15	D	2.49
26	KAPURTHALA	NADALA	S-NPP	31.51411	75.45475	11/22/2021	13:15	D	8.08
27	LUDHIANA	LUDHIANA-2	S-NPP	30.91207	75.68119	11/22/2021	13:15	D	6.41

28	LUDHIANA	MACHHIWARA	S-NPP	30.84809	76.29657	11/22/2021	13:15	D	6.48
29	LUDHIANA	PAKHOWAL	S-NPP	30.80819	75.77322	11/22/2021	13:15	D	9.75
30	MANSA	BHIKHI	S-NPP	30.15644	75.35744	11/22/2021	13:13	D	3.04
31	MANSA	BUDHLADA	S-NPP	29.85774	75.71662	11/22/2021	13:13	D	2.57
32	MANSA	MANSA	S-NPP	30.05096	75.44123	11/22/2021	13:13	D	8.78
33	MANSA	SARDULGARH	S-NPP	29.55134	75.24319	11/22/2021	13:13	D	3.87
34	MANSA	SARDULGARH	S-NPP	29.56656	75.30263	11/22/2021	13:13	D	4.09
35	MANSA	SARDULGARH	S-NPP	29.57996	75.28542	11/22/2021	13:13	D	8.14
36	MANSA	SARDULGARH	AQUA	29.81432	75.25776	11/22/2021	13:11	D	28.20
37	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.94945	75.25669	11/22/2021	13:15	D	1.71
38	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.98825	75.19419	11/22/2021	13:15	D	3.29
39	MOGA	MOGA-2	S-NPP	30.76051	75.00295	11/22/2021	13:15	D	2.39
40	MOGA	MOGA-2	S-NPP	30.76431	75.00198	11/22/2021	13:15	D	4.04
41	MOGA	NIHAL SINGH	S-NPP	30.54416	75.22115	11/22/2021	13:13	D	11.17
42	MOGA	NIHAL SINGH	S-NPP	30.63143	75.24399	11/22/2021	13:15	D	6.25
43	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.35208	74.61248	11/22/2021	13:13	D	28.53
44	MUKTSAR	LAMBI	S-NPP	30.08441	74.58445	11/22/2021	13:13	D	10.43
45	MUKTSAR	LAMBI	S-NPP	30.08697	74.58762	11/22/2021	13:13	D	8.20
46	MUKTSAR	LAMBI	S-NPP	30.12393	74.56579	11/22/2021	13:13	D	3.77
47	MUKTSAR	LAMBI	AQUA	29.97342	74.56182	11/22/2021	13:11	D	24.18
48	MUKTSAR	MALOUT	S-NPP	30.23882	74.42356	11/22/2021	13:13	D	13.81
49	MUKTSAR	MALOUT	S-NPP	30.33383	74.43600	11/22/2021	13:13	D	5.20
50	MUKTSAR	MALOUT	S-NPP	30.36090	74.36237	11/22/2021	13:13	D	4.16
51	MUKTSAR	MALOUT	S-NPP	30.36246	74.36206	11/22/2021	13:13	D	4.12
52	MUKTSAR	MUKTSAR	S-NPP	30.37909	74.38271	11/22/2021	13:13	D	28.26
53	MUKTSAR	MUKTSAR	S-NPP	30.39961	74.38151	11/22/2021	13:15	D	4.55
54	MUKTSAR	MUKTSAR	S-NPP	30.40197	74.41412	11/22/2021	13:15	D	4.66
55	MUKTSAR	MUKTSAR	S-NPP	30.55947	74.51244	11/22/2021	13:15	D	17.95
56	MUKTSAR	MUKTSAR	S-NPP	30.57249	74.55782	11/22/2021	13:15	D	2.20
57	PATIALA	NABHA	S-NPP	30.42707	76.21905	11/22/2021	13:13	D	15.56
58	PATIALA	NABHA	S-NPP	30.44776	76.22925	11/22/2021	13:13	D	1.78

59	PATIALA	PATRAN	S-NPP	29.93208	76.16372	11/22/2021	13:13	D	4.94
60	PATIALA	SAMANA	S-NPP	30.19993	76.21318	11/22/2021	13:13	D	5.91
61	PATIALA	SAMANA	S-NPP	30.20355	76.21230	11/22/2021	13:13	D	7.37
62	SANGRUR	LEHRA GAGA	S-NPP	29.99535	75.87324	11/22/2021	13:13	D	3.48
63	SANGRUR	SANGRUR	S-NPP	30.22680	75.85137	11/22/2021	13:13	D	4.21
64	SANGRUR	SANGRUR	S-NPP	30.22775	75.85642	11/22/2021	13:13	D	7.29
65	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38365	74.99342	11/22/2021	13:15	D	5.98
66	TARN TARAN	TARN TARAN	S-NPP	31.39377	74.81970	11/22/2021	13:15	D	2.49

Details of residue burning events in Haryana on 22-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	FATEHABAD	BHUNA	S-NPP	29.52228	75.73512	11/22/2021	13:13	D	9.06
2	FATEHABAD	BHUNA	S-NPP	29.55640	75.83524	11/22/2021	13:13	D	2.32
3	FATEHABAD	BHUNA	S-NPP	29.55738	75.83774	11/22/2021	13:13	D	4.49
4	FATEHABAD	FATEHABAD	S-NPP	29.51271	75.29313	11/22/2021	13:13	D	5.82
5	FATEHABAD	FATEHABAD	S-NPP	29.51654	75.29218	11/22/2021	13:13	D	10.26
6	FATEHABAD	FATEHABAD	S-NPP	29.57400	75.61560	11/22/2021	13:13	D	7.62
7	FATEHABAD	RATIA	S-NPP	29.60685	75.49636	11/22/2021	13:13	D	28.03
8	FATEHABAD	RATIA	S-NPP	29.61182	75.52305	11/22/2021	13:13	D	13.36
9	FATEHABAD	RATIA	S-NPP	29.62392	75.53419	11/22/2021	13:13	D	8.48
10	FATEHABAD	RATIA	S-NPP	29.63349	75.54295	11/22/2021	13:13	D	6.89
11	FATEHABAD	RATIA	S-NPP	29.63901	75.53046	11/22/2021	13:13	D	2.87
12	FATEHABAD	RATIA	S-NPP	29.77353	75.43429	11/22/2021	13:13	D	6.21
13	FATEHABAD	TOHANA	S-NPP	29.60829	75.94308	11/22/2021	13:13	D	5.55
14	HISAR	HANSI-I	S-NPP	29.12982	76.09810	11/22/2021	13:13	D	3.38
15	HISAR	HANSI-I	S-NPP	29.29946	75.94070	11/22/2021	13:13	D	3.69
16	HISAR	HANSI-I	TERRA	29.26949	75.88897	11/22/2021	11:31	D	22.52
17	HISAR	HANSI-II	S-NPP	29.05485	76.19798	11/22/2021	13:13	D	2.99
18	HISAR	HANSI-II	S-NPP	29.08971	76.26279	11/22/2021	13:13	D	3.79
19	HISAR	HANSI-II	S-NPP	29.09429	76.26691	11/22/2021	13:13	D	4.69
20	HISAR	HANSI-II	S-NPP	29.13831	76.22739	11/22/2021	13:13	D	4.21
21	HISAR	HANSI-II	S-NPP	29.21594	76.22164	11/22/2021	13:13	D	13.09
22	HISAR	HISAR-I	S-NPP	29.14010	75.90044	11/22/2021	13:13	D	3.31
23	HISAR	HISAR-I	S-NPP	29.18656	75.85674	11/22/2021	13:13	D	7.64
24	HISAR	NARNAUND	S-NPP	29.16129	76.18533	11/22/2021	13:13	D	15.40
25	HISAR	NARNAUND	S-NPP	29.22219	76.13119	11/22/2021	13:13	D	3.60
26	HISAR	NARNAUND	S-NPP	29.22964	76.17138	11/22/2021	13:13	D	11.59
27	HISAR	NARNAUND	S-NPP	29.25174	76.20789	11/22/2021	13:13	D	3.46
28	JIND	JIND	S-NPP	29.26092	76.21613	11/22/2021	13:13	D	1.88
29	JIND	JIND	S-NPP	29.29032	76.18822	11/22/2021	13:13	D	4.84
30	JIND	JIND	S-NPP	29.29699	76.23652	11/22/2021	13:13	D	2.26

31	JIND	JIND	S-NPP	29.38456	76.40078	11/22/2021	13:13	D	1.84
32	JIND	JULANA	S-NPP	29.14289	76.33517	11/22/2021	13:13	D	2.81
33	JIND	JULANA	S-NPP	29.15573	76.30115	11/22/2021	13:13	D	3.41
34	JIND	JULANA	S-NPP	29.17822	76.44468	11/22/2021	13:13	D	2.86
35	JIND	JULANA	S-NPP	29.18260	76.48938	11/22/2021	13:13	D	4.98
36	JIND	JULANA	S-NPP	29.18402	76.33057	11/22/2021	13:13	D	6.95
37	JIND	JULANA	S-NPP	29.19871	76.30643	11/22/2021	13:13	D	24.86
38	JIND	JULANA	S-NPP	29.20051	76.30309	11/22/2021	13:13	D	7.38
39	JIND	JULANA	S-NPP	29.21156	76.36225	11/22/2021	13:13	D	4.31
40	JIND	JULANA	S-NPP	29.23070	76.40379	11/22/2021	13:13	D	3.14
41	JIND	JULANA	S-NPP	29.23617	76.39228	11/22/2021	13:13	D	2.68
42	JIND	NARWANA	S-NPP	29.66857	76.01844	11/22/2021	13:13	D	15.56
43	JIND	PILLUKHERA	S-NPP	29.29916	76.54976	11/22/2021	13:13	D	3.55
44	JIND	PILLUKHERA	TERRA	29.29423	76.49145	11/22/2021	11:31	D	10.17
45	JIND	SAFIDON	S-NPP	29.42638	76.54754	11/22/2021	13:13	D	2.69
46	KAITHAL	KALAYAT	S-NPP	29.69318	76.31836	11/22/2021	13:13	D	6.64
47	KAITHAL	KALAYAT	S-NPP	29.72533	76.18223	11/22/2021	13:13	D	2.18
48	KARNAL	ASSANDH	AQUA	29.52892	76.63699	11/22/2021	13:11	D	30.78
49	PANIPAT	ISRANA	S-NPP	29.23317	76.85068	11/22/2021	13:13	D	3.43
50	PANIPAT	ISRANA	S-NPP	29.24303	76.84350	11/22/2021	13:13	D	3.85
51	PANIPAT	ISRANA	S-NPP	29.29501	76.65074	11/22/2021	13:13	D	5.18
52	PANIPAT	ISRANA	S-NPP	29.30383	76.80173	11/22/2021	13:13	D	6.49
53	PANIPAT	ISRANA	S-NPP	29.33571	76.91615	11/22/2021	13:13	D	9.96
54	PANIPAT	MADLAUDA	S-NPP	29.33583	76.71061	11/22/2021	13:13	D	1.27
55	PANIPAT	MADLAUDA	TERRA	29.36963	76.71027	11/22/2021	11:31	D	15.23
56	PANIPAT	PANIPAT	AQUA	29.34823	76.93291	11/22/2021	13:11	D	13.02
57	ROHTAK	LAKHAN MAJRA	S-NPP	29.06159	76.52605	11/22/2021	13:13	D	8.17
58	ROHTAK	MEHAM	S-NPP	28.90288	76.36175	11/22/2021	13:13	D	3.35
59	ROHTAK	MEHAM	S-NPP	28.98885	76.39300	11/22/2021	13:13	D	2.59
60	ROHTAK	MEHAM	S-NPP	28.99412	76.44305	11/22/2021	13:13	D	3.16
61	ROHTAK	ROHTAK	S-NPP	28.95414	76.76181	11/22/2021	13:13	D	5.79
62	ROHTAK	ROHTAK	S-NPP	28.95554	76.74918	11/22/2021	13:13	D	1.91
63	ROHTAK	ROHTAK	S-NPP	28.96754	76.69169	11/22/2021	13:13	D	2.21

64	ROHTAK	ROHTAK	S-NPP	28.98471	76.68270	11/22/2021	13:13	D	2.97
65	ROHTAK	SAMPLA	S-NPP	28.83216	76.66859	11/22/2021	13:13	D	5.93
66	ROHTAK	SAMPLA	S-NPP	28.83229	76.67052	11/22/2021	13:13	D	4.05
67	SIRSA	BARAGUNDA	S-NPP	29.61032	75.04533	11/22/2021	13:13	D	6.25
68	SIRSA	BARAGUNDA	S-NPP	29.64848	75.11666	11/22/2021	13:13	D	2.39
69	SIRSA	BARAGUNDA	S-NPP	29.67313	75.13960	11/22/2021	13:13	D	7.97
70	SIRSA	ELLENABAD	S-NPP	29.44242	74.75923	11/22/2021	13:13	D	7.28
71	SIRSA	ELLENABAD	S-NPP	29.46211	74.79706	11/22/2021	13:13	D	11.57
72	SIRSA	ELLENABAD	S-NPP	29.46323	74.79472	11/22/2021	13:13	D	9.31
73	SIRSA	ELLENABAD	S-NPP	29.50978	74.71652	11/22/2021	13:13	D	7.77
74	SIRSA	RANIA	S-NPP	29.50006	74.78300	11/22/2021	01:57	N	0.62
75	SIRSA	RANIA	S-NPP	29.50022	74.77309	11/22/2021	13:13	D	34.38
76	SIRSA	RANIA	S-NPP	29.55206	74.58714	11/22/2021	13:13	D	3.90
77	SIRSA	RANIA	S-NPP	29.56871	74.58703	11/22/2021	13:13	D	2.61
78	SIRSA	RANIA	S-NPP	29.58608	74.61165	11/22/2021	13:13	D	3.12
79	SIRSA	RANIA	S-NPP	29.58686	74.61559	11/22/2021	13:13	D	3.12
80	SIRSA	SIRSA	S-NPP	29.59637	75.07827	11/22/2021	13:13	D	7.30
81	SIRSA	SIRSA	TERRA	29.44363	74.92648	11/22/2021	11:31	D	7.81
82	SIRSA	SIRSA	TERRA	29.58573	75.04819	11/22/2021	11:31	D	8.13
83	SONIPAT	GOHANA	S-NPP	29.03197	76.73638	11/22/2021	13:13	D	3.19
84	SONIPAT	GOHANA	S-NPP	29.09583	76.71353	11/22/2021	13:13	D	2.76
85	SONIPAT	GOHANA	S-NPP	29.14677	76.82997	11/22/2021	13:13	D	2.97
86	SONIPAT	KATHURA	S-NPP	29.11305	76.55945	11/22/2021	13:13	D	4.42
87	SONIPAT	KATHURA	S-NPP	29.17511	76.55177	11/22/2021	13:13	D	4.60
88	SONIPAT	KATHURA	S-NPP	29.21954	76.52620	11/22/2021	13:13	D	7.04
89	SONIPAT	KHARKHODA	S-NPP	28.97574	76.81863	11/22/2021	13:13	D	2.10
90	SONIPAT	MUNDLANA	S-NPP	29.25924	76.64227	11/22/2021	13:13	D	4.71
91	SONIPAT	SONIPAT	S-NPP	29.07920	76.91713	11/22/2021	13:13	D	1.93

Details of residue burning events in Uttar Pradesh on 22-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	KARCHHANA	S-NPP	25.22157	81.80139	11/22/2021	01:57	N	0.62
2	ALLAHABAD	SORAWN	S-NPP	25.53001	81.68008	11/22/2021	13:13	D	3.76
3	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.48391	82.54561	11/22/2021	13:13	D	6.49
4	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.50067	82.51829	11/22/2021	13:13	D	4.21
5	AMBEDKARNAGAR	JALALPUR	S-NPP	26.39507	82.72833	11/22/2021	13:13	D	1.27
6	AMBEDKARNAGAR	JALALPUR	S-NPP	26.40629	82.71002	11/22/2021	13:13	D	5.97
7	AMETHI	MUSAFIRKHANA	S-NPP	26.51985	81.53941	11/22/2021	13:13	D	8.95
8	AURAIYA	AURAIYA	S-NPP	26.43834	79.56229	11/22/2021	13:13	D	1.43
9	AURAIYA	AURAIYA	S-NPP	26.49058	79.38736	11/22/2021	13:13	D	2.57
10	AURAIYA	AURAIYA	S-NPP	26.59213	79.54064	11/22/2021	13:13	D	3.31
11	AURAIYA	BIDHUNA	S-NPP	26.66282	79.37344	11/22/2021	13:13	D	1.96
12	AURAIYA	BIDHUNA	S-NPP	26.68237	79.36533	11/22/2021	13:13	D	2.62
13	AURAIYA	BIDHUNA	S-NPP	26.79081	79.74709	11/22/2021	13:13	D	2.16
14	AURAIYA	BIDHUNA	S-NPP	26.79637	79.37586	11/22/2021	13:13	D	2.20
15	AURAIYA	BIDHUNA	S-NPP	26.82092	79.45803	11/22/2021	13:13	D	2.41
16	AURAIYA	BIDHUNA	S-NPP	26.85532	79.41384	11/22/2021	13:13	D	1.37
17	AURAIYA	BIDHUNA	S-NPP	26.86540	79.41181	11/22/2021	13:13	D	2.17
18	AURAIYA	BIDHUNA	S-NPP	26.86802	79.42783	11/22/2021	13:13	D	3.23
19	AZAMGARH	BURHANPUR	S-NPP	26.37414	82.90058	11/22/2021	13:13	D	2.57
20	AZAMGARH	LALGANJ	S-NPP	25.89577	82.94332	11/22/2021	13:13	D	2.68
21	AZAMGARH	LALGANJ	AQUA	25.94320	82.94724	11/22/2021	13:09	D	5.63
22	AZAMGARH	MEHNAGAR	S-NPP	25.82077	83.32822	11/22/2021	13:13	D	1.80
23	AZAMGARH	MEHNAGAR	S-NPP	25.92680	83.09029	11/22/2021	13:13	D	4.46
24	AZAMGARH	NIZAMABAD	S-NPP	26.09145	82.92259	11/22/2021	13:13	D	2.19
25	BAGHPAT	BAGHPAT	S-NPP	28.88670	77.28819	11/22/2021	13:13	D	2.90
26	BAHRAICH	BAHRAICH	S-NPP	27.41635	81.91742	11/22/2021	13:13	D	2.10
27	BAHRAICH	BAHRAICH	S-NPP	27.50840	81.86836	11/22/2021	13:13	D	1.71
28	BALLIA	BALLIA	S-NPP	25.79669	84.10899	11/22/2021	13:13	D	5.14
29	BALLIA	BALLIA	S-NPP	25.79726	84.11333	11/22/2021	13:13	D	5.14

30	BALLIA	BALLIA	S-NPP	25.88275	84.05196	11/22/2021	13:13	D	3.30
31	BALLIA	BALLIA	S-NPP	25.89193	84.09473	11/22/2021	13:13	D	5.04
32	BALLIA	BALLIA	AQUA	25.79854	84.10617	11/22/2021	13:09	D	7.47
33	BALLIA	RASRA	S-NPP	25.84828	83.79110	11/22/2021	13:13	D	11.48
34	BALLIA	RASRA	S-NPP	25.84997	83.80379	11/22/2021	13:13	D	6.34
35	BALLIA	RASRA	S-NPP	25.86520	83.91868	11/22/2021	13:13	D	1.70
36	BALLIA	RASRA	S-NPP	25.88133	83.95981	11/22/2021	13:13	D	3.70
37	BALLIA	RASRA	S-NPP	25.88474	83.77218	11/22/2021	13:13	D	3.11
38	BALLIA	RASRA	S-NPP	25.90065	83.91730	11/22/2021	13:13	D	2.14
39	BALLIA	SIKANDARPUR	S-NPP	25.91793	83.99341	11/22/2021	13:13	D	8.25
40	BALLIA	SIKANDARPUR	S-NPP	25.96807	84.04708	11/22/2021	13:13	D	2.78
41	BALLIA	SIKANDARPUR	S-NPP	26.06587	83.97461	11/22/2021	13:13	D	4.19
42	BALLIA	SIKANDARPUR	AQUA	25.98229	84.10108	11/22/2021	13:09	D	4.26
43	BALRAMPUR	TULSIPUR	S-NPP	27.44119	82.61314	11/22/2021	13:13	D	2.12
44	BALRAMPUR	TULSIPUR	S-NPP	27.49247	82.58337	11/22/2021	13:13	D	3.67
45	BANDA	ATARRA	S-NPP	25.23425	80.61269	11/22/2021	13:13	D	1.86
46	BARABANKI	H Aidargarh	S-NPP	26.57106	81.51814	11/22/2021	13:13	D	1.97
47	BARABANKI	H Aidargarh	S-NPP	26.61555	81.27263	11/22/2021	13:13	D	5.22
48	BARABANKI	H Aidargarh	S-NPP	26.61588	81.32002	11/22/2021	13:13	D	2.23
49	BARABANKI	H Aidargarh	S-NPP	26.62480	81.33418	11/22/2021	13:13	D	3.26
50	BARABANKI	NAWABGANJ	S-NPP	26.94487	81.25928	11/22/2021	13:13	D	1.05
51	BAREILLY	FARIDPUR	S-NPP	28.23144	79.67757	11/22/2021	13:13	D	3.91
52	BAREILLY	FARIDPUR	S-NPP	28.26051	79.68802	11/22/2021	13:13	D	2.47
53	BASTI	BHANPUR	S-NPP	26.89401	82.75959	11/22/2021	13:13	D	2.03
54	BASTI	BHANPUR	S-NPP	27.06973	82.72208	11/22/2021	13:13	D	4.54
55	BIJNOR	AFZALGARH	S-NPP	29.38611	78.77919	11/22/2021	13:13	D	4.41
56	BIJNOR	BIJNOR	S-NPP	29.37808	78.28463	11/22/2021	13:13	D	1.84
57	CHANDAULI	CHANDAULI	S-NPP	25.19182	83.33447	11/22/2021	13:13	D	3.22
58	CHANDAULI	SHAKALDIHA	S-NPP	25.37906	83.27971	11/22/2021	13:13	D	49.86
59	CHANDAULI	SHAKALDIHA	AQUA	25.37682	83.27415	11/22/2021	13:09	D	13.70
60	CHANDAULI	SHAKALDIHA	AQUA	25.37845	83.28467	11/22/2021	13:09	D	4.94
61	DEORIA	DEORIA	S-NPP	26.55539	83.76775	11/22/2021	13:13	D	3.09
62	DEORIA	DEORIA	S-NPP	26.55861	83.95325	11/22/2021	13:13	D	3.59

63	DEORIA	DEORIA	S-NPP	26.59320	83.81005	11/22/2021	13:13	D	3.91
64	DEORIA	DEORIA	S-NPP	26.59365	83.81064	11/22/2021	13:13	D	5.08
65	DEORIA	DEORIA	S-NPP	26.60966	83.71556	11/22/2021	13:13	D	2.51
66	DEORIA	DEORIA	S-NPP	26.64093	83.76324	11/22/2021	13:13	D	2.31
67	DEORIA	DEORIA	S-NPP	26.65901	83.71186	11/22/2021	13:13	D	2.53
68	DEORIA	DEORIA	S-NPP	26.66058	83.85733	11/22/2021	13:13	D	2.47
69	DEORIA	DEORIA	AQUA	26.60609	83.71375	11/22/2021	13:09	D	5.93
70	DEORIA	DEORIA	AQUA	26.65110	83.70518	11/22/2021	13:09	D	4.66
71	DEORIA	RUDRAPUR	S-NPP	26.56068	83.67489	11/22/2021	13:13	D	4.25
72	ETAWAH	BHARTHNA	S-NPP	26.62616	79.21394	11/22/2021	13:13	D	9.23
73	ETAWAH	BHARTHNA	S-NPP	26.65643	79.14103	11/22/2021	13:13	D	4.05
74	ETAWAH	BHARTHNA	S-NPP	26.66120	79.25705	11/22/2021	13:13	D	1.92
75	ETAWAH	BHARTHNA	S-NPP	26.66525	79.15186	11/22/2021	13:13	D	2.40
76	ETAWAH	BHARTHNA	S-NPP	26.68827	79.16398	11/22/2021	13:13	D	4.19
77	ETAWAH	BHARTHNA	S-NPP	26.72286	79.09792	11/22/2021	13:13	D	7.93
78	ETAWAH	BHARTHNA	S-NPP	26.73774	79.12438	11/22/2021	13:13	D	1.96
79	ETAWAH	BHARTHNA	S-NPP	26.82629	79.17381	11/22/2021	13:13	D	2.49
80	ETAWAH	BHARTHNA	S-NPP	26.87106	79.34013	11/22/2021	13:13	D	1.51
81	ETAWAH	CHAKARNAGAR	S-NPP	26.68895	79.10487	11/22/2021	13:13	D	2.00
82	ETAWAH	ETAWAH	S-NPP	26.71948	79.07749	11/22/2021	13:13	D	2.88
83	ETAWAH	ETAWAH	S-NPP	26.72287	79.07680	11/22/2021	13:13	D	2.88
84	ETAWAH	ETAWAH	S-NPP	26.74905	79.06750	11/22/2021	13:13	D	3.63
85	ETAWAH	ETAWAH	S-NPP	26.74934	79.06712	11/22/2021	13:13	D	4.43
86	ETAWAH	ETAWAH	S-NPP	26.88365	79.17931	11/22/2021	13:13	D	1.68
87	ETAWAH	JASWANTNAGAR	S-NPP	26.92616	78.82281	11/22/2021	13:13	D	3.46
88	ETAWAH	JASWANTNAGAR	S-NPP	26.92882	78.82341	11/22/2021	13:13	D	5.54
89	ETAWAH	JASWANTNAGAR	S-NPP	26.93083	78.81441	11/22/2021	13:13	D	4.04
90	ETAWAH	SAIFAI	S-NPP	26.94325	79.05341	11/22/2021	13:13	D	4.80
91	ETAWAH	SAIFAI	S-NPP	26.94664	79.05270	11/22/2021	13:13	D	4.81
92	FAIZABAD	FAIZSBAD	S-NPP	26.56886	82.43015	11/22/2021	13:13	D	1.50
93	FAIZABAD	FAIZSBAD	S-NPP	26.68273	82.28063	11/22/2021	13:13	D	3.75
94	FAIZABAD	RUDAULI	S-NPP	26.74071	81.81709	11/22/2021	13:13	D	4.69
95	FATEHPUR	FATEHPUR	S-NPP	25.79570	80.82606	11/22/2021	13:13	D	2.17

96	FATEHPUR	FATEHPUR	S-NPP	25.81673	80.82997	11/22/2021	13:13	D	2.84
97	FATEHPUR	FATEHPUR	S-NPP	25.90299	80.70770	11/22/2021	13:13	D	3.71
98	FATEHPUR	KHAGA	S-NPP	25.95387	81.10394	11/22/2021	13:13	D	2.18
99	GAZIPUR	JAKHANIA	S-NPP	25.68698	83.42120	11/22/2021	13:13	D	1.94
100	GAZIPUR	MUHAMMADBAD	S-NPP	25.67371	83.72736	11/22/2021	13:13	D	5.63
101	GAZIPUR	MUHAMMADBAD	S-NPP	25.86363	83.66811	11/22/2021	13:13	D	2.41
102	GAZIPUR	MUHAMMADBAD	AQUA	25.67510	83.72092	11/22/2021	13:09	D	7.36
103	GORAKHPUR	GOLA	S-NPP	26.30490	83.40580	11/22/2021	13:13	D	3.61
104	HAPUR	HAPUR	S-NPP	28.69735	77.59415	11/22/2021	13:13	D	2.88
105	HARDOI	BILGRAM	S-NPP	26.99315	80.20801	11/22/2021	13:13	D	4.04
106	HARDOI	HARDOI	S-NPP	27.32675	80.10734	11/22/2021	13:13	D	1.99
107	HARDOI	HARDOI	S-NPP	27.39177	80.26726	11/22/2021	13:13	D	6.72
108	HARDOI	SHAHABAD	S-NPP	27.68766	80.20592	11/22/2021	13:13	D	2.61
109	JAUNPUR	JAUNPUR	S-NPP	25.85082	82.74725	11/22/2021	13:13	D	2.67
110	JAUNPUR	KIRAKAT	S-NPP	25.59069	82.70298	11/22/2021	13:13	D	1.93
111	JAUNPUR	MACHHALI SAHAR	S-NPP	25.59849	82.28982	11/22/2021	01:57	N	0.68
112	JAUNPUR	MACHHALI SAHAR	S-NPP	25.71674	82.37286	11/22/2021	13:13	D	3.38
113	JAUNPUR	SHHGANJ	S-NPP	26.04652	82.60426	11/22/2021	13:13	D	2.74
114	JAUNPUR	SHHGANJ	S-NPP	26.08722	82.52852	11/22/2021	13:13	D	5.42
115	JAUNPUR	SHHGANJ	AQUA	26.08042	82.52603	11/22/2021	13:09	D	4.93
116	JHANSI	JHANSI	S-NPP	25.50387	78.65149	11/22/2021	13:13	D	2.73
117	JHANSI	JHANSI	S-NPP	25.50974	78.68559	11/22/2021	13:13	D	8.75
118	JHANSI	JHANSI	S-NPP	25.52016	78.68344	11/22/2021	13:13	D	4.18
119	JHANSI	JHANSI	S-NPP	25.52364	78.68272	11/22/2021	13:13	D	3.63
120	JHANSI	JHANSI	S-NPP	25.54723	78.67344	11/22/2021	13:13	D	2.60
121	JHANSI	MOTH	S-NPP	25.62295	78.82439	11/22/2021	13:13	D	3.54
122	JHANSI	MOTH	S-NPP	25.62433	78.82467	11/22/2021	13:13	D	4.37
123	JHANSI	MOTH	S-NPP	25.65780	78.87428	11/22/2021	13:13	D	2.58
124	JHANSI	MOTH	S-NPP	25.68440	78.96814	11/22/2021	13:13	D	3.41
125	JHANSI	MOTH	S-NPP	25.69135	78.98822	11/22/2021	13:13	D	3.97
126	JHANSI	MOTH	S-NPP	25.70010	78.93478	11/22/2021	13:13	D	3.47
127	JHANSI	MOTH	S-NPP	25.70260	78.86508	11/22/2021	13:13	D	6.04
128	JHANSI	MOTH	S-NPP	25.72194	78.87410	11/22/2021	13:13	D	1.97

129	JHANSI	MOTH	S-NPP	25.73657	78.94024	11/22/2021	13:13	D	3.59
130	JHANSI	MOTH	S-NPP	25.74724	78.93048	11/22/2021	01:57	N	0.48
131	JHANSI	MOTH	S-NPP	25.76570	78.93069	11/22/2021	13:13	D	2.34
132	JHANSI	MOTH	S-NPP	25.76892	78.88685	11/22/2021	13:13	D	7.20
133	JHANSI	MOTH	S-NPP	25.78390	78.84912	11/22/2021	13:13	D	2.92
134	JHANSI	MOTH	S-NPP	25.79404	78.97221	11/22/2021	13:13	D	2.57
135	JHANSI	TAHRAULI	S-NPP	25.56589	78.76191	11/22/2021	13:13	D	3.64
136	JHANSI	TAHRAULI	S-NPP	25.57825	78.87704	11/22/2021	13:13	D	6.48
137	JHANSI	TAHRAULI	S-NPP	25.63569	78.87014	11/22/2021	13:13	D	3.41
138	JHANSI	TAHRAULI	AQUA	25.57435	78.87979	11/22/2021	13:09	D	13.75
139	KANPUR	KANPUR NAGAR	S-NPP	26.39515	80.23434	11/22/2021	01:57	N	0.78
140	KANPUR DEHAT	AKBARPUR	S-NPP	26.31448	80.01038	11/22/2021	13:13	D	3.06
141	KANPUR DEHAT	AKBARPUR	S-NPP	26.56764	80.06564	11/22/2021	13:13	D	2.44
142	KANPUR DEHAT	AKBARPUR	AQUA	26.31084	79.97720	11/22/2021	13:09	D	13.29
143	KANPUR DEHAT	DERAPUR	S-NPP	26.59882	79.64613	11/22/2021	13:13	D	2.12
144	KANPUR DEHAT	RASULABAD	S-NPP	26.70940	79.76714	11/22/2021	13:13	D	3.00
145	KANPUR DEHAT	SIKANDRA	S-NPP	26.42406	79.60217	11/22/2021	13:13	D	4.57
146	KAUSHAMBI	MANJHANPUR	S-NPP	25.38864	81.37321	11/22/2021	13:13	D	2.41
147	KAUSHAMBI	MANJHANPUR	S-NPP	25.41663	81.35635	11/22/2021	13:13	D	6.83
148	KAUSHAMBI	MANJHANPUR	S-NPP	25.48532	81.27322	11/22/2021	13:13	D	3.08
149	KAUSHAMBI	MANJHANPUR	S-NPP	25.51545	81.24809	11/22/2021	13:13	D	4.32
150	KAUSHAMBI	SIRATHU	S-NPP	25.53232	81.29197	11/22/2021	13:13	D	3.47
151	KAUSHAMBI	SIRATHU	S-NPP	25.55585	81.26805	11/22/2021	13:13	D	4.38
152	KAUSHAMBI	SIRATHU	S-NPP	25.55915	81.26744	11/22/2021	13:13	D	4.38
153	KHERI	DHAURAHRA	S-NPP	27.83031	81.23098	11/22/2021	13:13	D	1.93
154	KHERI	GOLA	S-NPP	27.95300	80.32264	11/22/2021	13:13	D	1.21
155	KHERI	GOLA	S-NPP	27.95388	80.30640	11/22/2021	13:13	D	1.75
156	KHERI	GOLA	S-NPP	27.97015	80.36745	11/22/2021	13:13	D	3.45
157	KHERI	GOLA	S-NPP	28.20832	80.46219	11/22/2021	13:13	D	2.14
158	KHERI	GOLA	S-NPP	28.20892	80.46609	11/22/2021	13:13	D	4.72
159	KUSHINAGAR	HATA	S-NPP	26.69246	83.65977	11/22/2021	13:13	D	2.23
160	KUSHINAGAR	HATA	S-NPP	26.71857	83.64235	11/22/2021	13:13	D	2.69
161	KUSHINAGAR	HATA	S-NPP	26.79630	83.74390	11/22/2021	13:13	D	2.60

162	KUSHINAGAR	HATA	S-NPP	26.81851	83.69248	11/22/2021	13:13	D	3.72
163	KUSHINAGAR	HATA	S-NPP	26.84655	83.58261	11/22/2021	13:13	D	3.95
164	KUSHINAGAR	HATA	S-NPP	26.84885	83.59971	11/22/2021	13:13	D	2.18
165	KUSHINAGAR	HATA	S-NPP	26.88462	83.56411	11/22/2021	13:13	D	4.74
166	KUSHINAGAR	HATA	S-NPP	26.95108	83.63644	11/22/2021	13:13	D	4.23
167	KUSHINAGAR	KASAYA	S-NPP	26.59366	84.05524	11/22/2021	13:13	D	2.50
168	LUCKNOW	MOHANLAL GANJ	S-NPP	26.60921	81.16314	11/22/2021	13:13	D	1.51
169	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.97256	83.63731	11/22/2021	13:13	D	3.99
170	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.01731	83.45988	11/22/2021	13:13	D	3.23
171	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.02044	83.61686	11/22/2021	13:13	D	2.29
172	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.09567	83.55775	11/22/2021	13:13	D	11.02
173	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.09764	83.55579	11/22/2021	13:13	D	12.11
174	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.11894	83.51880	11/22/2021	13:13	D	1.78
175	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.11958	83.49681	11/22/2021	13:13	D	2.77
176	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.13019	83.65788	11/22/2021	13:13	D	2.57
177	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.18263	83.56976	11/22/2021	13:13	D	3.80
178	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.21777	83.53380	11/22/2021	13:13	D	1.76
179	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.23796	83.57893	11/22/2021	13:13	D	2.00
180	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.24675	83.53780	11/22/2021	13:13	D	3.89
181	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.26297	83.55273	11/22/2021	13:13	D	4.15
182	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.01603	83.61488	11/22/2021	13:09	D	4.47
183	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.24453	83.53783	11/22/2021	13:09	D	5.75
184	MAHARAJGANJ	NAUTANWA	S-NPP	27.29602	83.45499	11/22/2021	13:13	D	2.78
185	MAHARAJGANJ	NAUTANWA	S-NPP	27.32021	83.43875	11/22/2021	13:13	D	5.27
186	MAHARAJGANJ	NAUTANWA	AQUA	27.29494	83.44875	11/22/2021	13:09	D	5.98
187	MAHARAJGANJ	NICHLAUL	S-NPP	27.11603	83.71349	11/22/2021	13:13	D	5.24
188	MAHARAJGANJ	NICHLAUL	S-NPP	27.30709	83.69629	11/22/2021	13:13	D	1.32
189	MAINPURI	KARHAL	S-NPP	26.99880	79.07253	11/22/2021	13:13	D	5.52
190	MAINPURI	KARHAL	S-NPP	27.02995	79.00695	11/22/2021	13:13	D	12.53
191	MAINPURI	KARHAL	S-NPP	27.08577	79.00454	11/22/2021	13:13	D	2.45
192	MAINPURI	MAINPURI	S-NPP	27.20876	78.90306	11/22/2021	13:13	D	5.93
193	MAINPURI	MAINPURI	S-NPP	27.22915	78.92008	11/22/2021	13:13	D	1.56
194	MATHURA	MAHABAN	S-NPP	27.26910	77.91841	11/22/2021	13:13	D	1.75

195	MATHURA	MATHURA	S-NPP	27.43192	77.43584	11/22/2021	13:13	D	4.88
196	MAU	MAU	S-NPP	25.89254	83.49300	11/22/2021	13:13	D	8.06
197	MAU	MAU	S-NPP	25.89597	83.49243	11/22/2021	13:13	D	8.06
198	MAU	MAU	AQUA	25.88950	83.49290	11/22/2021	13:09	D	11.14
199	MAU	MAU	AQUA	26.03308	83.58666	11/22/2021	13:09	D	5.42
200	MIRZAPUR	LALGANJ	S-NPP	24.85069	82.31828	11/22/2021	13:13	D	1.93
201	MIRZAPUR	LALGANJ	S-NPP	24.85345	82.31387	11/22/2021	13:13	D	1.27
202	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.52678	77.45973	11/22/2021	13:13	D	3.25
203	PILHIBHIT	BISALPUR	S-NPP	28.31728	79.90058	11/22/2021	13:13	D	1.54
204	PILHIBHIT	PILHIBHIT	S-NPP	28.83684	79.69119	11/22/2021	13:13	D	1.49
205	PILHIBHIT	PURANPUR	S-NPP	28.73637	80.26302	11/22/2021	13:13	D	3.00
206	PRATAPGARH	KUNDA	S-NPP	25.67923	81.59389	11/22/2021	13:13	D	8.31
207	PRATAPGARH	KUNDA	S-NPP	25.75849	81.51270	11/22/2021	13:13	D	12.91
208	PRATAPGARH	KUNDA	S-NPP	25.82485	81.75208	11/22/2021	13:13	D	2.56
209	PRATAPGARH	LALGANJ	S-NPP	25.85289	81.84943	11/22/2021	13:13	D	5.29
210	PRATAPGARH	LALGANJ	S-NPP	25.91457	81.62933	11/22/2021	13:13	D	2.33
211	PRATAPGARH	LALGANJ	S-NPP	26.13514	81.56588	11/22/2021	13:13	D	1.91
212	PRATAPGARH	LALGANJ	AQUA	25.84756	81.84249	11/22/2021	13:09	D	6.98
213	PRATAPGARH	PATTI	S-NPP	26.00043	82.28293	11/22/2021	13:13	D	1.83
214	PRATAPGARH	PATTI	S-NPP	26.01606	82.32012	11/22/2021	13:13	D	2.91
215	RAIBEARELI	DALMAU	S-NPP	26.18370	81.05687	11/22/2021	13:13	D	1.90
216	RAIBEARELI	MAHARAJGANG	S-NPP	26.39513	81.24651	11/22/2021	13:13	D	2.70
217	RAIBEARELI	MAHARAJGANG	S-NPP	26.39906	81.18267	11/22/2021	13:13	D	3.24
218	RAIBEARELI	MAHARAJGANG	S-NPP	26.49242	81.22040	11/22/2021	13:13	D	2.32
219	RAIBEARELI	RAEBARELI	S-NPP	26.38139	81.11102	11/22/2021	13:13	D	3.06
220	RAIBEARELI	SALON	S-NPP	26.11863	81.47829	11/22/2021	13:13	D	3.07
221	RAIBEARELI	SALON	S-NPP	26.20551	81.45974	11/22/2021	01:57	N	0.61
222	RAIBEARELI	SALON	AQUA	26.11478	81.47275	11/22/2021	13:09	D	6.25
223	RAIBEARELI	SALON	AQUA	26.11504	81.47937	11/22/2021	13:09	D	5.86
224	RAIBEARELI	TILOI	S-NPP	26.23984	81.49554	11/22/2021	13:13	D	2.46
225	RAIBEARELI	TILOI	S-NPP	26.34954	81.50677	11/22/2021	13:13	D	3.75
226	RAIBEARELI	TILOI	S-NPP	26.41075	81.53181	11/22/2021	13:13	D	3.56
227	RAIBEARELI	TILOI	S-NPP	26.43218	81.51604	11/22/2021	13:13	D	2.30

228	RAIBEARELI	TILOI	S-NPP	26.46598	81.38323	11/22/2021	13:13	D	2.71
229	RAIBEARELI	UNCHAHAR	S-NPP	25.88234	81.32481	11/22/2021	13:13	D	2.05
230	RAIBEARELI	UNCHAHAR	S-NPP	26.08613	81.24032	11/22/2021	13:13	D	3.00
231	RAMPUR	BILASPUR	S-NPP	28.87143	79.37654	11/22/2021	13:13	D	1.75
232	SAMBHAL	CHANDAUSI	S-NPP	28.53330	78.94238	11/22/2021	13:13	D	2.50
233	SANTKABIRNAGAR	GHANGHATA	AQUA	26.64594	83.06151	11/22/2021	13:09	D	7.75
234	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.67052	83.03028	11/22/2021	13:13	D	3.78
235	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.87125	82.89651	11/22/2021	13:13	D	3.23
236	SANTKABIRNAGAR	MEHDAWAL	S-NPP	27.02765	83.04784	11/22/2021	13:13	D	9.23
237	SANTKABIRNAGAR	MEHDAWAL	S-NPP	27.02775	83.04654	11/22/2021	13:13	D	6.04
238	SHAHJAHANPUR	JALALABAD	S-NPP	27.78311	79.45982	11/22/2021	13:13	D	3.76
239	SHAHJAHANPUR	PUWANYA	S-NPP	28.03133	80.17445	11/22/2021	13:13	D	2.31
240	SHAHJAHANPUR	PUWANYA	S-NPP	28.32542	80.06087	11/22/2021	13:13	D	0.92
241	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.91653	80.02394	11/22/2021	13:13	D	1.07
242	SHAHJAHANPUR	TILHAR	S-NPP	28.15585	79.88395	11/22/2021	13:13	D	1.24
243	SHARANPUR	NAKUR	S-NPP	30.01082	77.38646	11/22/2021	13:13	D	2.31
244	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	29.73930	77.36761	11/22/2021	13:13	D	3.41
245	SHARANPUR	SHARANPUR	S-NPP	30.07604	77.64049	11/22/2021	13:13	D	2.03
246	SHRAWASTI	IKAUNA	S-NPP	27.58190	81.74635	11/22/2021	13:13	D	2.17
247	SHRAWASTI	IKAUNA	S-NPP	27.61075	82.01656	11/22/2021	13:13	D	2.71
248	SHRAWASTI	IKAUNA	S-NPP	27.64939	81.75014	11/22/2021	13:13	D	1.41
249	SHRAWASTI	IKAUNA	S-NPP	27.68322	81.74801	11/22/2021	13:13	D	4.31
250	SHRAWASTI	IKAUNA	AQUA	27.66037	81.73366	11/22/2021	13:09	D	8.47
251	SHRAWASTI	IKAUNA	AQUA	27.66230	81.74528	11/22/2021	13:09	D	7.17
252	SIDDHARTHANAGAR	BANSI	S-NPP	27.05171	82.86699	11/22/2021	13:13	D	4.42
253	SIDDHARTHANAGAR	BANSI	S-NPP	27.08000	82.82030	11/22/2021	13:13	D	1.89
254	SIDDHARTHANAGAR	BANSI	S-NPP	27.13143	82.86614	11/22/2021	13:13	D	2.06
255	SIDDHARTHANAGAR	BANSI	S-NPP	27.15184	82.81236	11/22/2021	13:13	D	4.01
256	SIDDHARTHANAGAR	BANSI	S-NPP	27.15297	82.82054	11/22/2021	13:13	D	1.88
257	SIDDHARTHANAGAR	BANSI	AQUA	27.04826	82.86495	11/22/2021	13:09	D	6.67
258	SIDDHARTHANAGAR	BANSI	AQUA	27.07724	82.81962	11/22/2021	13:09	D	6.33
259	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.16922	82.63861	11/22/2021	13:13	D	3.91
260	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.25279	82.53751	11/22/2021	13:13	D	1.88

261	SIDDHARTHANAGAR	ITWA	S-NPP	27.27732	82.78711	11/22/2021	13:13	D	1.43
262	SIDDHARTHANAGAR	ITWA	S-NPP	27.31470	82.55582	11/22/2021	13:13	D	1.50
263	SIDDHARTHANAGAR	ITWA	S-NPP	27.32537	82.53326	11/22/2021	13:13	D	5.57
264	SIDDHARTHANAGAR	ITWA	S-NPP	27.32875	82.53267	11/22/2021	13:13	D	3.09
265	SIDDHARTHANAGAR	ITWA	S-NPP	27.34288	82.60900	11/22/2021	13:13	D	3.15
266	SIDDHARTHANAGAR	ITWA	S-NPP	27.34682	82.61247	11/22/2021	13:13	D	1.94
267	SIDDHARTHANAGAR	ITWA	S-NPP	27.38014	82.65248	11/22/2021	13:13	D	6.08
268	SIDDHARTHANAGAR	ITWA	AQUA	27.33899	82.60557	11/22/2021	13:09	D	7.01
269	SULTANPUR	AMETHI	S-NPP	26.20913	81.90422	11/22/2021	13:13	D	2.88
270	SULTANPUR	KADIRPUR	S-NPP	26.16459	82.67389	11/22/2021	13:13	D	1.72
271	UNNAO	BIGHAPUR	S-NPP	26.41838	80.78009	11/22/2021	13:13	D	2.93
272	UNNAO	HASANGANJ	S-NPP	26.66442	80.66180	11/22/2021	13:13	D	3.38
273	UNNAO	SAFIPUR	S-NPP	26.85628	80.39479	11/22/2021	13:13	D	1.99
274	UNNAO	SAFIPUR	S-NPP	26.87459	80.35929	11/22/2021	13:13	D	4.19
275	VARANASI	PINDRA	S-NPP	25.51718	83.05124	11/22/2021	13:13	D	1.41
276	VARANASI	VARANASI	S-NPP	25.37248	82.75992	11/22/2021	13:13	D	1.93

Details of residue burning events in Rajasthan on 22-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	CHITTAURGARH	CHITTAURGARH	S-NPP	24.76528	74.61034	11/22/2021	01:59	N	1.16
2	GANGANAGAR	ANAPGARH	S-NPP	29.22337	73.08249	11/22/2021	13:13	D	5.13
3	GANGANAGAR	ANAPGARH	S-NPP	29.22425	73.08395	11/22/2021	13:13	D	3.87
4	HANUMANGARH	HANUMANGARH	S-NPP	29.51253	74.17875	11/22/2021	13:13	D	2.22
5	HANUMANGARH	HANUMANGARH	S-NPP	29.55490	74.22018	11/22/2021	13:13	D	3.60
6	HANUMANGARH	HANUMANGARH	S-NPP	29.57846	74.40360	11/22/2021	13:13	D	3.10
7	HANUMANGARH	HANUMANGARH	S-NPP	29.58246	74.40257	11/22/2021	13:13	D	3.10
8	HANUMANGARH	HANUMANGARH	S-NPP	29.60035	74.36833	11/22/2021	13:13	D	4.15
9	HANUMANGARH	HANUMANGARH	S-NPP	29.60117	74.37238	11/22/2021	13:13	D	8.01
10	HANUMANGARH	HANUMANGARH	S-NPP	29.60172	74.37198	11/22/2021	13:13	D	9.81
11	HANUMANGARH	HANUMANGARH	S-NPP	29.60837	74.36625	11/22/2021	13:13	D	3.09
12	HANUMANGARH	P LIBANGA	S-NPP	29.37487	74.01716	11/22/2021	13:13	D	4.22
13	HANUMANGARH	P LIBANGA	S-NPP	29.42344	74.02245	11/22/2021	13:13	D	2.15
14	HANUMANGARH	P LIBANGA	S-NPP	29.42441	74.01979	11/22/2021	13:13	D	1.70
15	HANUMANGARH	P LIBANGA	S-NPP	29.43698	74.03893	11/22/2021	13:13	D	4.43
16	HANUMANGARH	TIBI	S-NPP	29.55127	74.58318	11/22/2021	13:13	D	3.88
17	HANUMANGARH	TIBI	S-NPP	29.56565	74.44512	11/22/2021	13:13	D	6.95
18	HANUMANGARH	TIBI	S-NPP	29.57603	74.45512	11/22/2021	13:13	D	3.07
19	HANUMANGARH	TIBI	S-NPP	29.58163	74.44099	11/22/2021	13:13	D	2.90
20	HANUMANGARH	TIBI	S-NPP	29.59196	74.47214	11/22/2021	13:13	D	8.21
21	HANUMANGARH	TIBI	S-NPP	29.60949	74.47605	11/22/2021	13:13	D	17.97

Details of residue burning events in Madhya Pradesh on 22-Nov-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ANUPPUR	ANUPUR	S-NPP	23.10293	81.65003	11/22/2021	13:11	D	1.43
2	ASHOKNAGAR	MUNGAOLI	S-NPP	24.49326	77.96295	11/22/2021	13:13	D	3.53
3	ASHOKNAGAR	MUNGAOLI	S-NPP	24.49361	77.96452	11/22/2021	13:13	D	2.68
4	BHIND	GOHAD	S-NPP	26.43924	78.31785	11/22/2021	13:13	D	4.00
5	BHIND	GOHAD	S-NPP	26.45742	78.31850	11/22/2021	13:13	D	3.02
6	BHIND	GOHAD	S-NPP	26.48435	78.43331	11/22/2021	13:13	D	3.84
7	BHIND	GOHAD	S-NPP	26.50444	78.42463	11/22/2021	13:13	D	2.76
8	BHIND	GOHAD	S-NPP	26.51172	78.29800	11/22/2021	13:13	D	1.63
9	BHIND	GOHAD	S-NPP	26.51248	78.29888	11/22/2021	13:13	D	4.04
10	BHIND	GOHAD	S-NPP	26.51358	78.35138	11/22/2021	13:13	D	3.66
11	BHIND	GOHAD	S-NPP	26.51779	78.35496	11/22/2021	13:13	D	3.56
12	BHIND	GOHAD	S-NPP	26.51803	78.35144	11/22/2021	13:13	D	2.80
13	BHIND	GOHAD	AQUA	26.50852	78.35637	11/22/2021	13:09	D	13.00
14	BHIND	LAHAR	S-NPP	26.12200	78.83823	11/22/2021	13:13	D	6.97
15	DATIA	BHANDER	S-NPP	25.58690	78.67405	11/22/2021	13:13	D	2.34
16	DATIA	BHANDER	S-NPP	25.58762	78.67830	11/22/2021	13:13	D	2.34
17	DATIA	BHANDER	S-NPP	25.59442	78.65110	11/22/2021	13:13	D	2.15
18	DATIA	BHANDER	S-NPP	25.63228	78.68295	11/22/2021	13:13	D	3.70
19	DATIA	BHANDER	S-NPP	25.90701	78.74593	11/22/2021	13:13	D	2.08
20	DATIA	BHANDER	S-NPP	25.90783	78.77193	11/22/2021	13:13	D	2.85
21	DATIA	BHANDER	S-NPP	25.91534	78.75294	11/22/2021	13:13	D	2.89
22	DATIA	BHANDER	S-NPP	25.91969	78.79994	11/22/2021	13:13	D	3.29
23	DATIA	BHANDER	S-NPP	25.97937	78.74120	11/22/2021	13:13	D	3.27
24	DATIA	SEONDHA	S-NPP	25.82591	78.56483	11/22/2021	13:13	D	3.20
25	DATIA	SEONDHA	S-NPP	25.83199	78.62108	11/22/2021	13:13	D	5.02
26	DATIA	SEONDHA	S-NPP	25.83272	78.62534	11/22/2021	13:13	D	2.90
27	DATIA	SEONDHA	S-NPP	25.87408	78.48807	11/22/2021	13:13	D	2.38
28	DATIA	SEONDHA	S-NPP	25.96527	78.70044	11/22/2021	13:13	D	1.71
29	DATIA	SEONDHA	S-NPP	25.98155	78.64883	11/22/2021	13:13	D	4.19

30	GWALIOR	BHITARWAR	S-NPP	25.77519	78.14640	11/22/2021	13:13	D	4.19
31	GWALIOR	BHITARWAR	S-NPP	25.85598	78.00627	11/22/2021	13:13	D	4.37
32	GWALIOR	BHITARWAR	S-NPP	25.87907	78.11719	11/22/2021	13:13	D	3.91
33	GWALIOR	BHITARWAR	S-NPP	25.88261	78.11644	11/22/2021	13:13	D	3.94
34	GWALIOR	DABRA	S-NPP	25.91259	78.18360	11/22/2021	13:13	D	2.55
35	GWALIOR	DABRA	S-NPP	25.97230	78.36170	11/22/2021	13:13	D	3.12
36	GWALIOR	GWALIOR	S-NPP	26.31517	78.31186	11/22/2021	13:13	D	1.93
37	GWALIOR	GWALIOR	S-NPP	26.32741	78.34071	11/22/2021	13:13	D	3.11
38	JABALPUR	JABALPUR	S-NPP	23.33516	79.94407	11/22/2021	13:11	D	3.44
39	JABALPUR	JABALPUR	S-NPP	23.34007	79.91013	11/22/2021	13:11	D	3.88
40	JABALPUR	JABALPUR	S-NPP	23.35074	79.95342	11/22/2021	13:11	D	3.73
41	JABALPUR	JABALPUR	S-NPP	23.35140	79.95741	11/22/2021	13:11	D	5.94
42	JABALPUR	JABALPUR	S-NPP	23.35170	79.89548	11/22/2021	13:11	D	2.76
43	JABALPUR	JABALPUR	S-NPP	23.35896	79.93948	11/22/2021	13:11	D	6.03
44	JABALPUR	KUNDAM	S-NPP	23.33487	80.28632	11/22/2021	13:11	D	3.61
45	JABALPUR	MAJHOULI	S-NPP	23.38527	79.97145	11/22/2021	13:11	D	2.17
46	JABALPUR	MAJHOULI	S-NPP	23.39388	80.00266	11/22/2021	13:11	D	1.39
47	JABALPUR	MAJHOULI	S-NPP	23.39807	79.98543	11/22/2021	13:11	D	1.21
48	JABALPUR	MAJHOULI	S-NPP	23.40146	79.98477	11/22/2021	13:11	D	1.97
49	JABALPUR	MAJHOULI	S-NPP	23.42896	80.02460	11/22/2021	13:11	D	13.95
50	JABALPUR	MAJHOULI	S-NPP	23.45451	80.03214	11/22/2021	13:11	D	3.93
51	JABALPUR	MAJHOULI	S-NPP	23.45790	80.03148	11/22/2021	13:11	D	3.93
52	JABALPUR	MAJHOULI	S-NPP	23.45856	80.03545	11/22/2021	13:11	D	4.01
53	JABALPUR	MAJHOULI	S-NPP	23.45868	80.01495	11/22/2021	13:11	D	5.43
54	JABALPUR	MAJHOULI	S-NPP	23.46117	80.05130	11/22/2021	13:11	D	4.47
55	JABALPUR	MAJHOULI	S-NPP	23.47016	80.02094	11/22/2021	13:11	D	2.12
56	JABALPUR	MAJHOULI	S-NPP	23.50471	80.01839	11/22/2021	13:11	D	7.24
57	JABALPUR	MAJHOULI	S-NPP	23.50893	79.89426	11/22/2021	13:11	D	2.28
58	JABALPUR	MAJHOULI	S-NPP	23.52587	79.91195	11/22/2021	13:11	D	3.53
59	JABALPUR	MAJHOULI	S-NPP	23.52855	80.16465	11/22/2021	13:11	D	5.88
60	JABALPUR	MAJHOULI	S-NPP	23.54475	79.94122	11/22/2021	13:13	D	0.94
61	JABALPUR	MAJHOULI	S-NPP	23.54815	79.94058	11/22/2021	13:13	D	1.45
62	JABALPUR	MAJHOULI	S-NPP	23.55441	80.04185	11/22/2021	13:13	D	2.79

63	JABALPUR	MAJHOULI	S-NPP	23.55649	80.03328	11/22/2021	13:13	D	3.48
64	JABALPUR	MAJHOULI	S-NPP	23.56896	79.98175	11/22/2021	13:13	D	4.00
65	JABALPUR	MAJHOULI	S-NPP	23.58813	79.94931	11/22/2021	13:13	D	1.51
66	JABALPUR	MAJHOULI	AQUA	23.45943	80.03187	11/22/2021	13:09	D	11.01
67	JABALPUR	PATAN	S-NPP	23.37074	79.75474	11/22/2021	13:11	D	3.01
68	JABALPUR	PATAN	S-NPP	23.38752	79.81394	11/22/2021	13:11	D	4.17
69	JABALPUR	SIHORA	S-NPP	23.35333	80.09638	11/22/2021	13:11	D	2.94
70	JABALPUR	SIHORA	S-NPP	23.35970	80.05021	11/22/2021	13:11	D	3.48
71	JABALPUR	SIHORA	S-NPP	23.38434	80.20025	11/22/2021	13:11	D	7.71
72	JABALPUR	SIHORA	S-NPP	23.38798	80.07339	11/22/2021	13:11	D	4.00
73	JABALPUR	SIHORA	S-NPP	23.39505	80.03114	11/22/2021	13:11	D	3.52
74	JABALPUR	SIHORA	S-NPP	23.40847	80.13470	11/22/2021	13:11	D	1.86
75	JABALPUR	SIHORA	S-NPP	23.41728	80.21014	11/22/2021	13:11	D	2.60
76	JABALPUR	SIHORA	S-NPP	23.42426	80.10315	11/22/2021	13:11	D	2.39
77	JABALPUR	SIHORA	S-NPP	23.42829	80.10645	11/22/2021	13:11	D	2.95
78	JABALPUR	SIHORA	S-NPP	23.43396	80.22720	11/22/2021	13:11	D	5.62
79	JABALPUR	SIHORA	S-NPP	23.44383	80.18074	11/22/2021	13:11	D	4.45
80	JABALPUR	SIHORA	S-NPP	23.44816	80.07830	11/22/2021	13:11	D	2.74
81	JABALPUR	SIHORA	S-NPP	23.45083	80.22398	11/22/2021	13:11	D	2.39
82	JABALPUR	SIHORA	S-NPP	23.45142	80.09807	11/22/2021	13:11	D	6.70
83	JABALPUR	SIHORA	S-NPP	23.46103	80.17754	11/22/2021	13:11	D	3.29
84	JABALPUR	SIHORA	S-NPP	23.46183	80.05526	11/22/2021	13:11	D	4.47
85	JABALPUR	SIHORA	S-NPP	23.46570	80.18475	11/22/2021	13:11	D	2.33
86	JABALPUR	SIHORA	S-NPP	23.46782	80.07045	11/22/2021	13:11	D	7.33
87	JABALPUR	SIHORA	S-NPP	23.46977	80.08232	11/22/2021	13:11	D	7.81
88	JABALPUR	SIHORA	AQUA	23.44030	80.17932	11/22/2021	13:09	D	9.74
89	KATNI	BAHURIBAND	S-NPP	23.61420	80.00172	11/22/2021	13:13	D	1.86
90	KATNI	BAHURIBAND	S-NPP	23.61615	80.01363	11/22/2021	13:13	D	13.37
91	KATNI	BAHURIBAND	S-NPP	23.61954	80.01298	11/22/2021	13:13	D	13.37
92	KATNI	BAHURIBAND	S-NPP	23.62019	80.01695	11/22/2021	13:13	D	13.37
93	KATNI	BAHURIBAND	S-NPP	23.63277	80.05132	11/22/2021	13:13	D	1.54
94	KATNI	BAHURIBAND	S-NPP	23.64695	80.05270	11/22/2021	13:13	D	5.18
95	KATNI	BAHURIBAND	S-NPP	23.70974	79.98763	11/22/2021	13:13	D	2.39

96	KATNI	BAHURIBAND	AQUA	23.60726	80.01199	11/22/2021	13:09	D	14.73
97	KATNI	BAHURIBAND	AQUA	23.61867	80.00951	11/22/2021	13:09	D	12.97
98	KATNI	DHIMERKHEDA	S-NPP	23.46706	80.28150	11/22/2021	13:11	D	1.72
99	KATNI	DHIMERKHEDA	S-NPP	23.59173	80.29025	11/22/2021	13:11	D	3.86
100	KATNI	DHIMERKHEDA	AQUA	23.46889	80.27369	11/22/2021	13:09	D	10.33
101	KATNI	MURBARA	S-NPP	23.84654	80.45884	11/22/2021	13:13	D	6.38
102	KATNI	MURBARA	S-NPP	23.97711	80.42605	11/22/2021	13:13	D	2.25
103	NARSHIMAPURA	GADARWARA	S-NPP	22.82963	78.65281	11/22/2021	13:11	D	3.14
104	NARSHIMAPURA	GOTECAON	S-NPP	22.95065	79.46638	11/22/2021	13:11	D	6.56
105	NARSHIMAPURA	GOTECAON	S-NPP	22.96364	79.35170	11/22/2021	13:11	D	2.59
106	NARSHIMAPURA	GOTECAON	S-NPP	22.97980	79.49068	11/22/2021	13:11	D	4.45
107	NARSHIMAPURA	GOTECAON	S-NPP	22.98327	79.49001	11/22/2021	13:11	D	4.45
108	NARSHIMAPURA	GOTECAON	S-NPP	22.98880	79.45889	11/22/2021	13:11	D	1.80
109	NARSHIMAPURA	KARELI	S-NPP	22.88703	79.13474	11/22/2021	13:11	D	3.03
110	PANNA	GUNAUR	S-NPP	24.51440	80.37240	11/22/2021	13:13	D	1.85
111	PANNA	PANNA	S-NPP	24.79202	80.45085	11/22/2021	13:13	D	2.31
112	RAISEN	BARELI	S-NPP	22.89679	78.05936	11/22/2021	13:11	D	2.86
113	RAISEN	BARELI	S-NPP	22.90219	78.06812	11/22/2021	13:11	D	3.91
114	RAISEN	GOHARGANJ	S-NPP	23.01256	77.55592	11/22/2021	13:11	D	2.69
115	RAISEN	GOHARGANJ	S-NPP	23.01529	77.55762	11/22/2021	13:11	D	4.38
116	RAISEN	GOHARGANJ	S-NPP	23.07123	77.44146	11/22/2021	01:59	N	0.36
117	RAISEN	RAISEN	S-NPP	23.36530	77.72658	11/22/2021	01:59	N	0.82
118	RAISEN	SILVANI	S-NPP	23.13729	78.31429	11/22/2021	13:11	D	2.93
119	RAISEN	SILVANI	S-NPP	23.23878	78.48288	11/22/2021	01:59	N	0.43
120	REWA	HUZUR	S-NPP	24.44963	81.40541	11/22/2021	13:13	D	3.72
121	REWA	HUZUR	S-NPP	24.46306	81.36024	11/22/2021	13:13	D	1.72
122	REWA	HUZUR	S-NPP	24.48712	81.40634	11/22/2021	13:13	D	2.11
123	REWA	MAUGANJ	S-NPP	24.73372	81.73804	11/22/2021	13:13	D	1.37
124	REWA	SIRMAUR	S-NPP	24.81990	81.10683	11/22/2021	13:13	D	2.15
125	REWA	TEONTHAR	S-NPP	24.97279	81.55035	11/22/2021	13:13	D	5.16
126	SATNA	AMARPATAN	S-NPP	24.33861	80.95004	11/22/2021	13:13	D	1.12
127	SATNA	AMARPATAN	S-NPP	24.39675	81.21689	11/22/2021	13:13	D	5.21
128	SATNA	AMARPATAN	S-NPP	24.40587	81.18797	11/22/2021	13:13	D	3.79

129	SATNA	AMARPATAN	S-NPP	24.40859	81.18356	11/22/2021	13:13	D	3.79
130	SATNA	AMARPATAN	S-NPP	24.45048	81.05888	11/22/2021	13:13	D	1.31
131	SATNA	AMARPATAN	S-NPP	24.47356	81.16381	11/22/2021	13:13	D	2.50
132	SATNA	AMARPATAN	AQUA	24.40076	81.18439	11/22/2021	13:09	D	9.90
133	SATNA	MAIHAR	S-NPP	24.20483	80.75134	11/22/2021	13:13	D	2.78
134	SATNA	MAIHAR	S-NPP	24.28246	80.78792	11/22/2021	13:13	D	7.97
135	SATNA	MAIHAR	S-NPP	24.28578	80.78729	11/22/2021	13:13	D	7.97
136	SATNA	MAIHAR	S-NPP	24.38101	80.87616	11/22/2021	13:13	D	5.02
137	SATNA	MAIHAR	S-NPP	24.39912	80.86101	11/22/2021	13:13	D	2.94
138	SATNA	MAIHAR	AQUA	24.27600	80.77674	11/22/2021	13:09	D	11.51
139	SATNA	MAIHAR	AQUA	24.27852	80.79108	11/22/2021	13:09	D	9.39
140	SATNA	MAJHGAWAN	S-NPP	24.70884	80.91634	11/22/2021	13:13	D	5.77
141	SATNA	MAJHGAWAN	S-NPP	24.71971	80.89863	11/22/2021	13:13	D	1.93
142	SATNA	MAJHGAWAN	S-NPP	24.72175	80.93353	11/22/2021	13:13	D	3.42
143	SATNA	MAJHGAWAN	S-NPP	24.74527	80.90955	11/22/2021	13:13	D	2.54
144	SATNA	MAJHGAWAN	S-NPP	24.88158	80.93937	11/22/2021	13:13	D	6.00
145	SATNA	NAGOD	S-NPP	24.47886	80.45094	11/22/2021	13:13	D	2.98
146	SATNA	NAGOD	S-NPP	24.48116	80.52193	11/22/2021	13:13	D	4.06
147	SATNA	NAGOD	S-NPP	24.50616	80.55691	11/22/2021	13:13	D	1.93
148	SATNA	NAGOD	S-NPP	24.51782	80.62989	11/22/2021	13:13	D	1.89
149	SATNA	NAGOD	S-NPP	24.55875	80.49934	11/22/2021	13:13	D	4.72
150	SATNA	NAGOD	S-NPP	24.56770	80.62045	11/22/2021	13:13	D	7.86
151	SATNA	NAGOD	S-NPP	24.61153	80.70296	11/22/2021	13:13	D	2.21
152	SATNA	NAGOD	S-NPP	24.62715	80.63667	11/22/2021	13:13	D	3.15
153	SATNA	NAGOD	S-NPP	24.63431	80.44502	11/22/2021	13:13	D	5.03
154	SATNA	NAGOD	S-NPP	24.63671	80.56762	11/22/2021	13:13	D	9.66
155	SATNA	NAGOD	S-NPP	24.63984	80.63033	11/22/2021	13:13	D	1.90
156	SATNA	NAGOD	S-NPP	24.64196	80.47141	11/22/2021	13:13	D	2.11
157	SATNA	NAGOD	S-NPP	24.67270	80.55684	11/22/2021	13:13	D	4.75
158	SATNA	NAGOD	S-NPP	24.71205	80.58900	11/22/2021	13:13	D	2.30
159	SATNA	NAGOD	S-NPP	24.76167	80.58364	11/22/2021	13:13	D	2.19
160	SATNA	NAGOD	S-NPP	24.76378	80.57533	11/22/2021	13:13	D	4.36
161	SATNA	RAGURAJNAGAR	S-NPP	24.63657	80.67436	11/22/2021	13:13	D	1.80

162	SATNA	RAGURAJNAGAR	S-NPP	24.67247	80.62021	11/22/2021	13:13	D	3.14
163	SATNA	RAGURAJNAGAR	S-NPP	24.71840	80.69444	11/22/2021	13:13	D	1.43
164	SATNA	RAGURAJNAGAR	S-NPP	24.73727	80.83649	11/22/2021	13:13	D	1.92
165	SATNA	RAMNAGAR	S-NPP	24.20143	81.31071	11/22/2021	13:13	D	3.06
166	SATNA	RAMPURBAGHLEAN	S-NPP	24.39303	80.90921	11/22/2021	13:13	D	2.99
167	SATNA	RAMPURBAGHLEAN	S-NPP	24.52579	80.89204	11/22/2021	13:13	D	1.49
168	SATNA	RAMPURBAGHLEAN	S-NPP	24.53259	80.95738	11/22/2021	13:13	D	3.48
169	SATNA	RAMPURBAGHLEAN	S-NPP	24.53580	80.99981	11/22/2021	13:13	D	2.43
170	SATNA	RAMPURBAGHLEAN	S-NPP	24.55102	80.92260	11/22/2021	13:13	D	2.92
171	SATNA	RAMPURBAGHLEAN	S-NPP	24.55980	81.02271	11/22/2021	13:13	D	9.45
172	SATNA	RAMPURBAGHLEAN	S-NPP	24.56461	80.94744	11/22/2021	13:13	D	1.70
173	SATNA	RAMPURBAGHLEAN	S-NPP	24.59103	80.98557	11/22/2021	13:13	D	2.53
174	SATNA	RAMPURBAGHLEAN	S-NPP	24.65477	81.00108	11/22/2021	13:13	D	0.95
175	SATNA	RAMPURBAGHLEAN	S-NPP	24.68220	81.00742	11/22/2021	13:13	D	2.05
176	SATNA	RAMPURBAGHLEAN	S-NPP	24.68311	81.07397	11/22/2021	13:13	D	1.97
177	SATNA	RAMPURBAGHLEAN	S-NPP	24.69356	81.03658	11/22/2021	13:13	D	2.13
178	SATNA	RAMPURBAGHLEAN	S-NPP	24.72003	81.03168	11/22/2021	13:13	D	3.10
179	SATNA	RAMPURBAGHLEAN	AQUA	24.53669	80.95886	11/22/2021	13:09	D	9.43
180	SATNA	RAMPURBAGHLEAN	AQUA	24.54139	80.95125	11/22/2021	13:09	D	16.32
181	SATNA	UCHAHAR	S-NPP	24.35361	80.81063	11/22/2021	13:13	D	3.68
182	SATNA	UCHAHAR	S-NPP	24.39792	80.85339	11/22/2021	13:13	D	2.41
183	SATNA	UCHAHAR	S-NPP	24.52655	80.76621	11/22/2021	13:13	D	2.27
184	SEHORE	BUDHNI	S-NPP	22.88304	77.77906	11/22/2021	01:59	N	0.83
185	SHIVPURI	NARWAR	S-NPP	25.54905	77.99209	11/22/2021	13:13	D	3.22
186	SINGRAULI	SINGRAULI	S-NPP	23.99107	82.44849	11/22/2021	13:13	D	6.05
187	SINGRAULI	SINGRAULI	AQUA	23.98400	82.44462	11/22/2021	13:09	D	9.53
188	VIDESHA	NATERAN	S-NPP	23.93963	77.78847	11/22/2021	13:13	D	2.99

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)
