



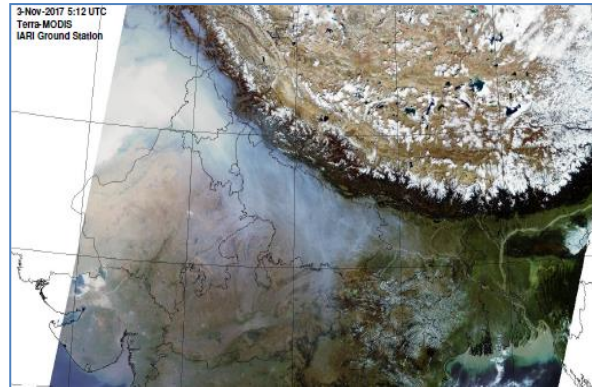
## Bulletin No. 62

Events Date:  
15-Nov-2022

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15-Nov-2022



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



Prepared by:

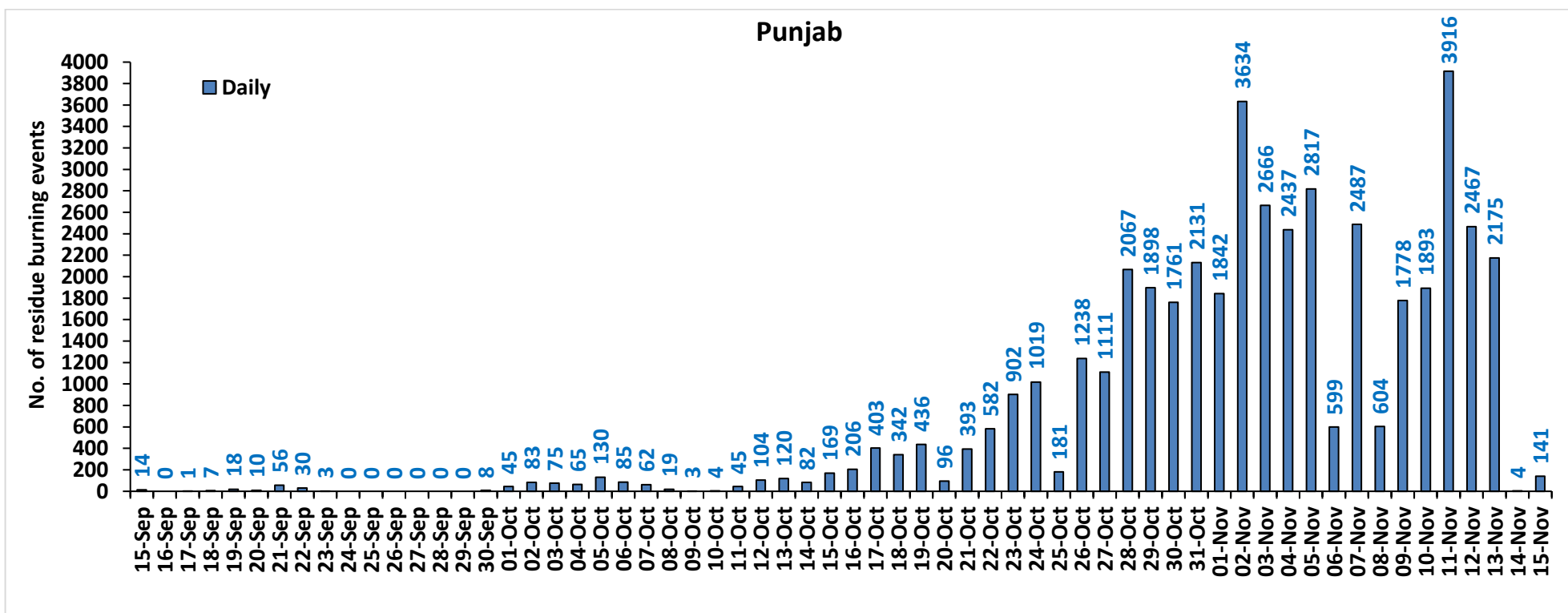
Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

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

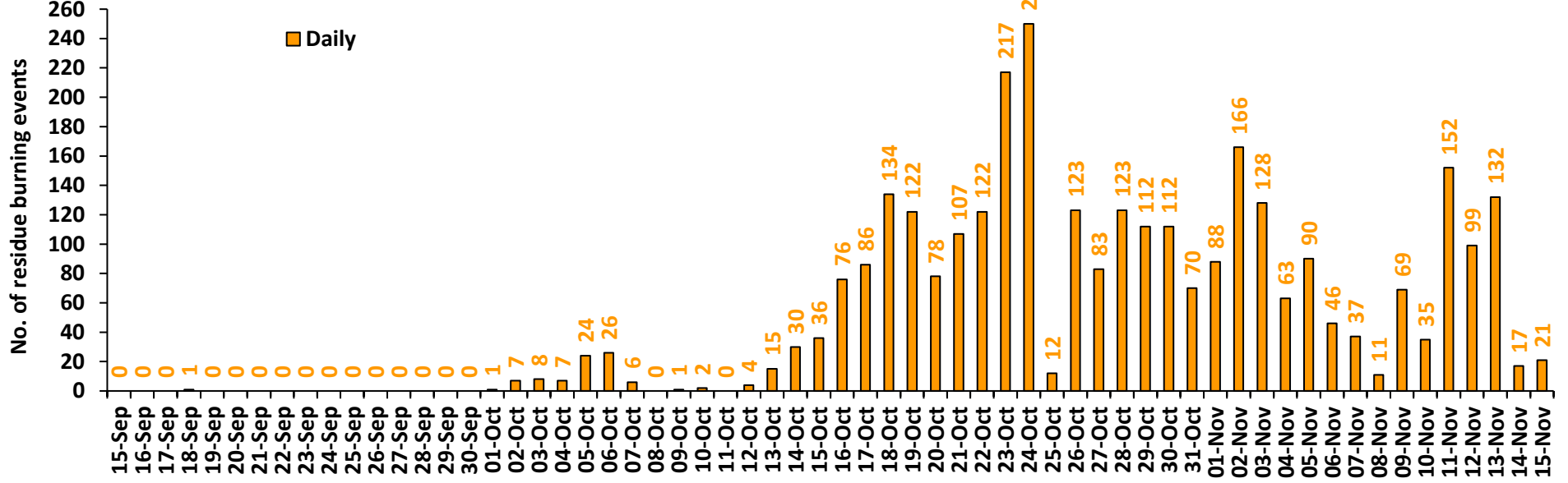
## Highlights for 15-Nov-2022

- 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 **755** residue burning events in the six study States on 15-Nov-2022.
- The state wise events detected on 15-Nov-2022 were **141** in Punjab, **21** in Haryana, **84** in UP, **0** in Delhi, **2** in Rajasthan and **507** in MP.
- Total **58551** burning events were detected in the six states between 15-Sept-2022 and 15-Nov-2022, which are distributed as **45464**, **3149**, **1457**, **9,100** and **7472** in Punjab, Haryana, UP, Delhi, Rajasthan and MP respectively.
- Detection of events was hampered by presence of scattered clouds over Punjab, Haryana and northern Rajasthan.

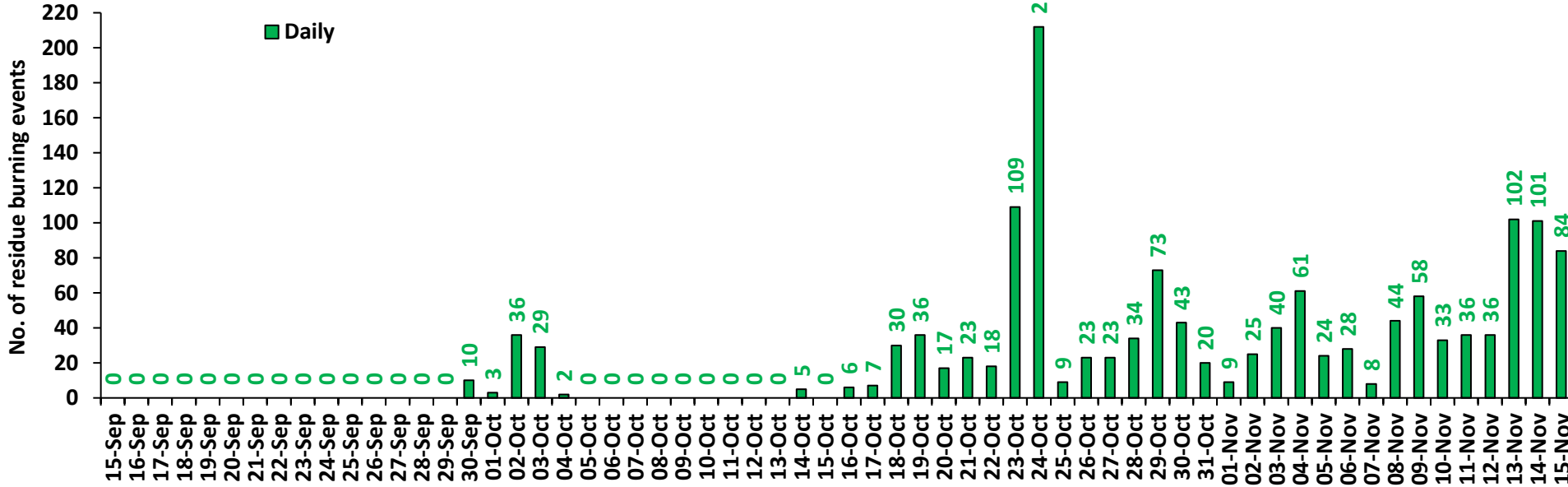
### Temporal distribution of rice residue burning events for the study States in 2022



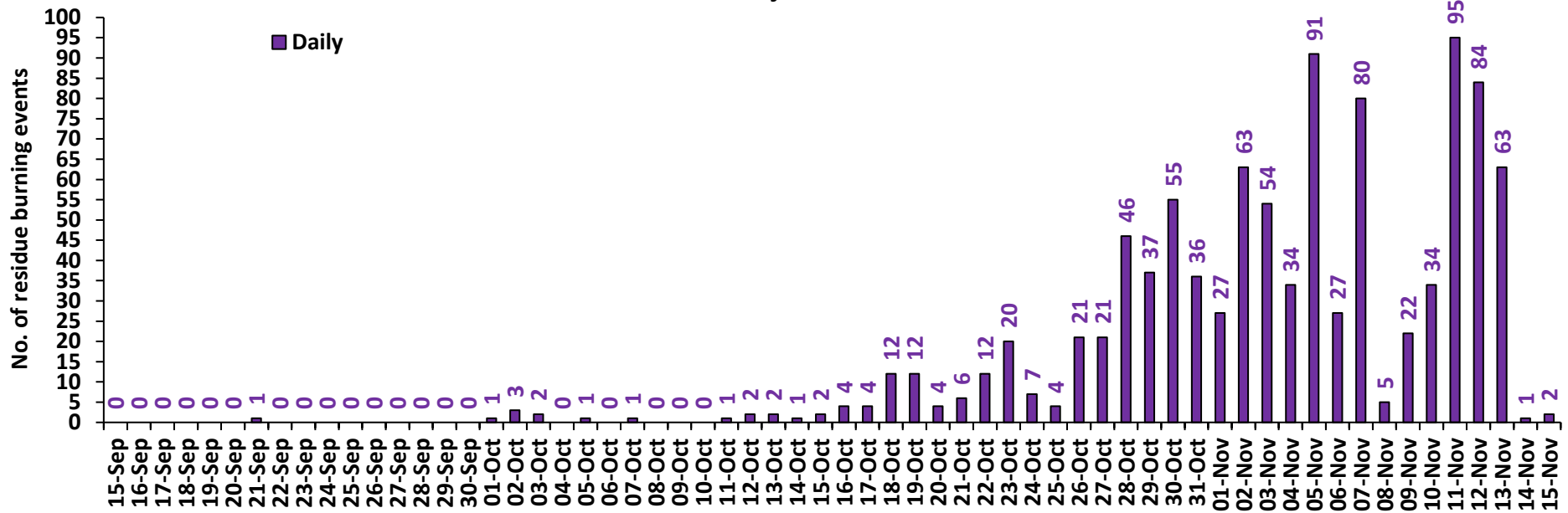
### Haryana



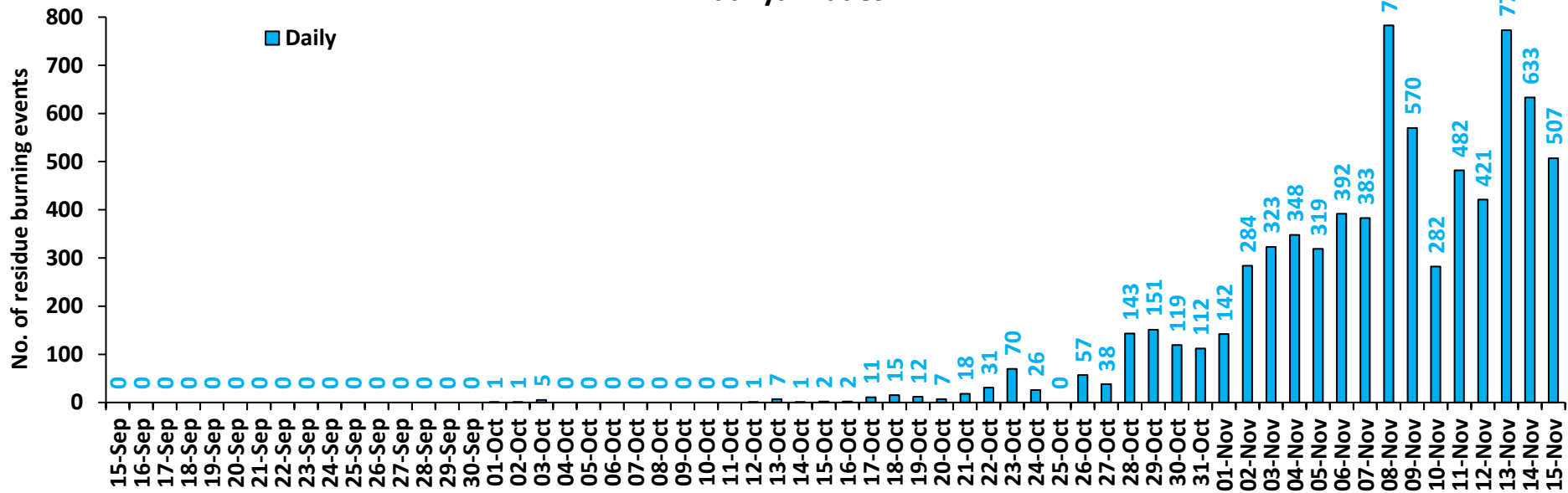
### Uttar Pradesh



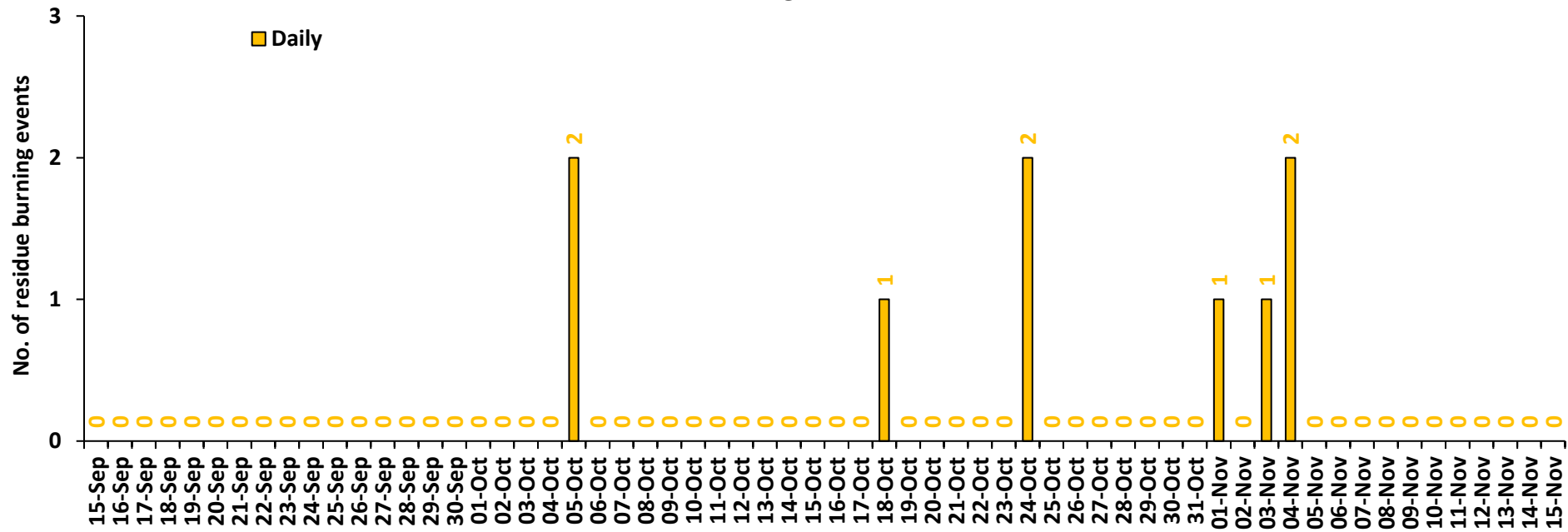
### Rajasthan



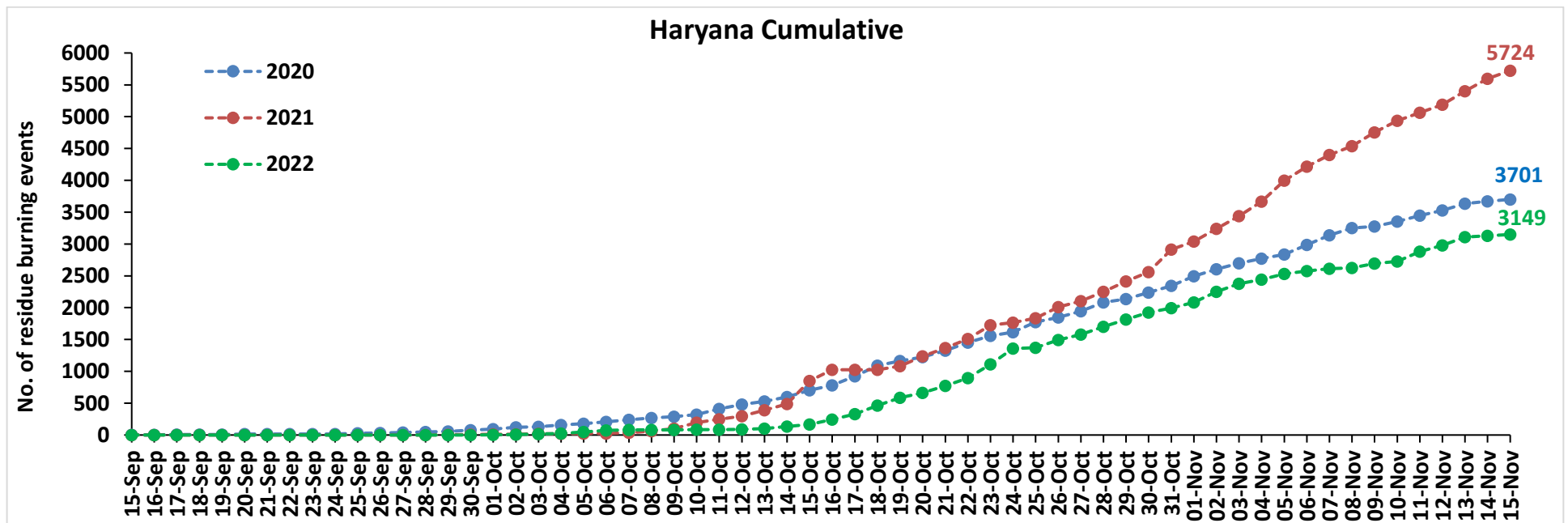
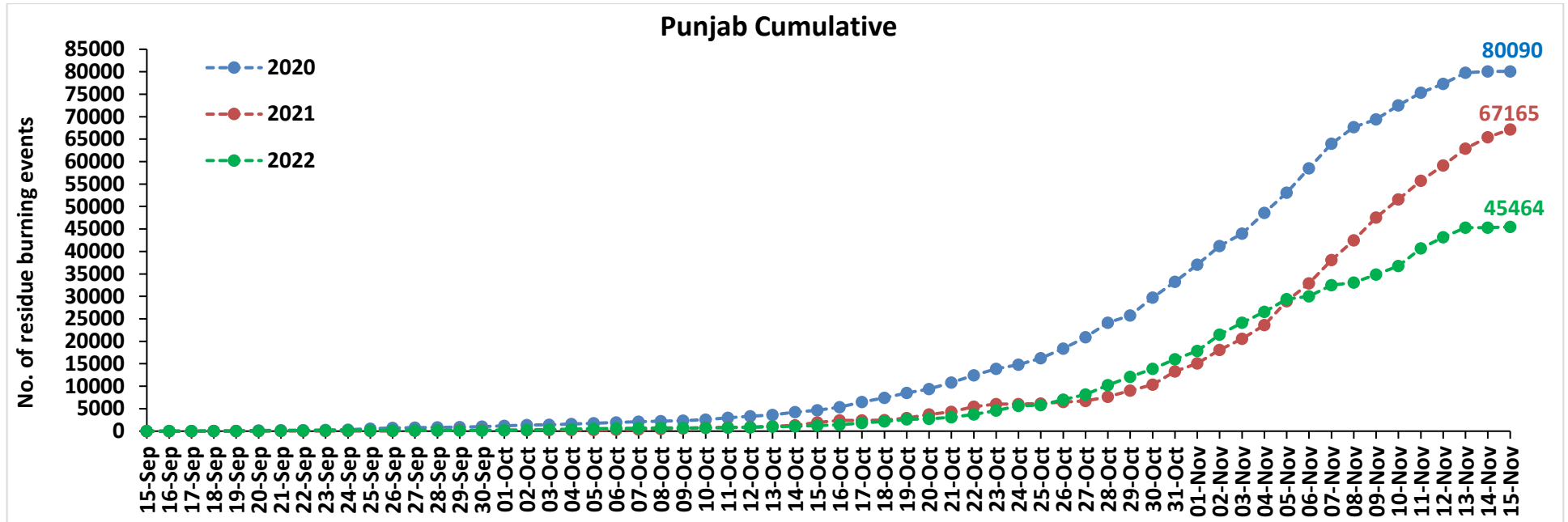
### Madhya Pradesh



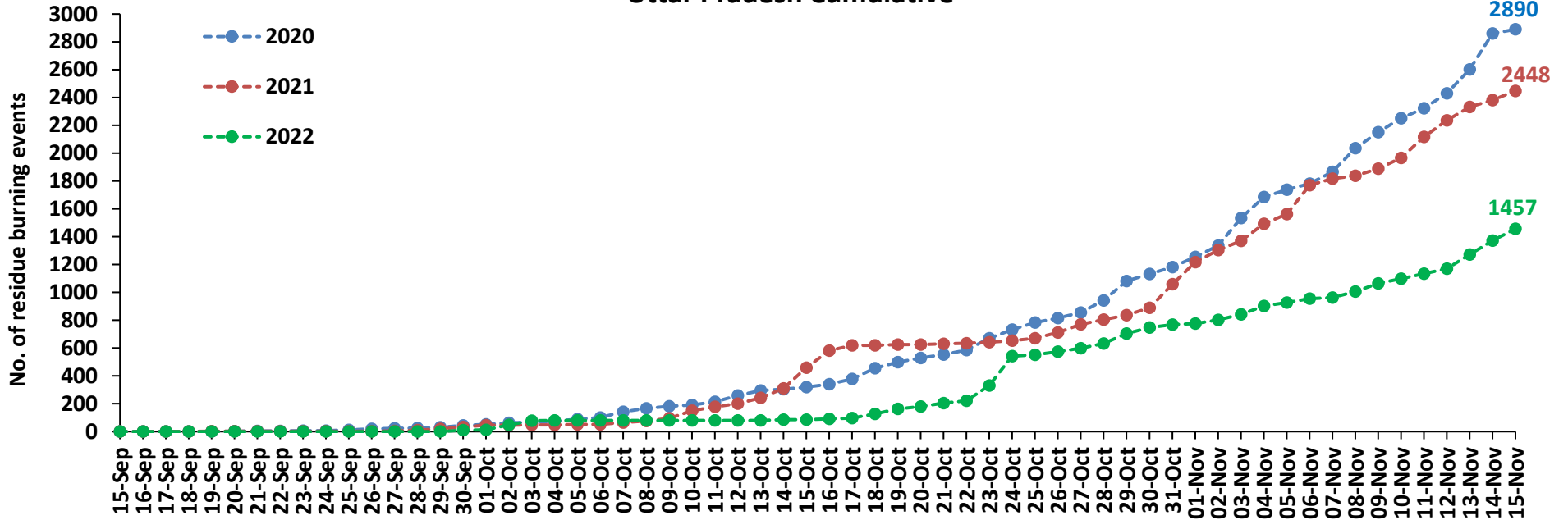
# Delhi



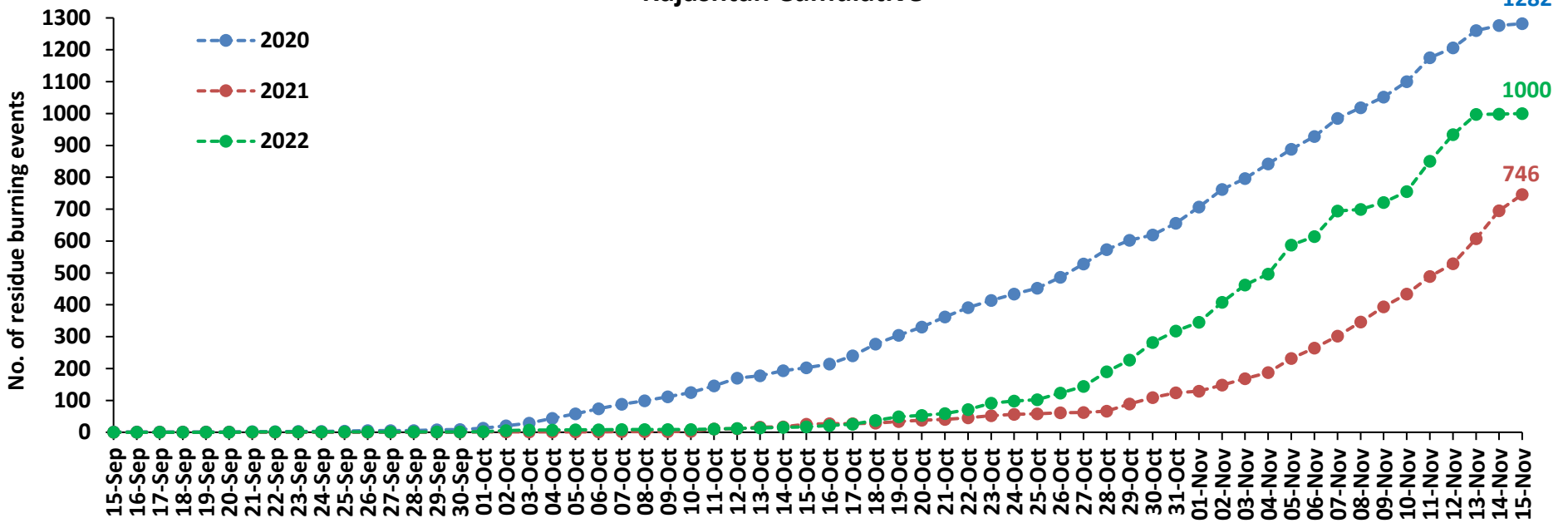
**Comparison of residue burning events in current year (2022) with previous years (2020 and 2021) for the study States**



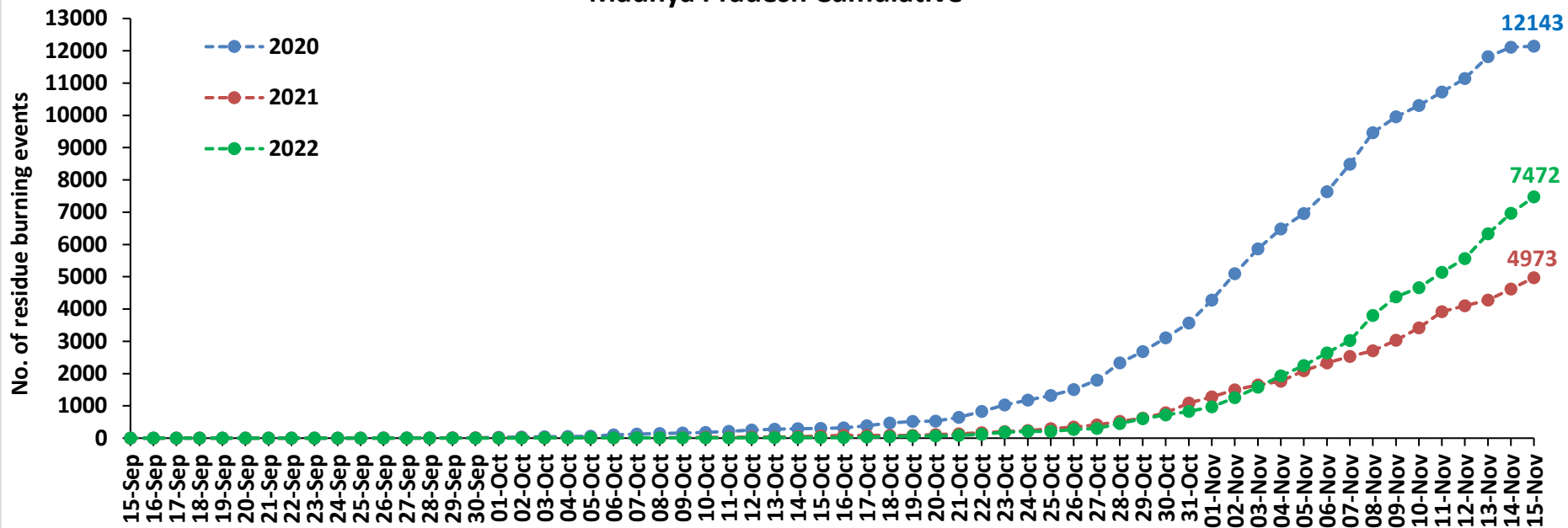
### Uttar Pradesh Cumulative



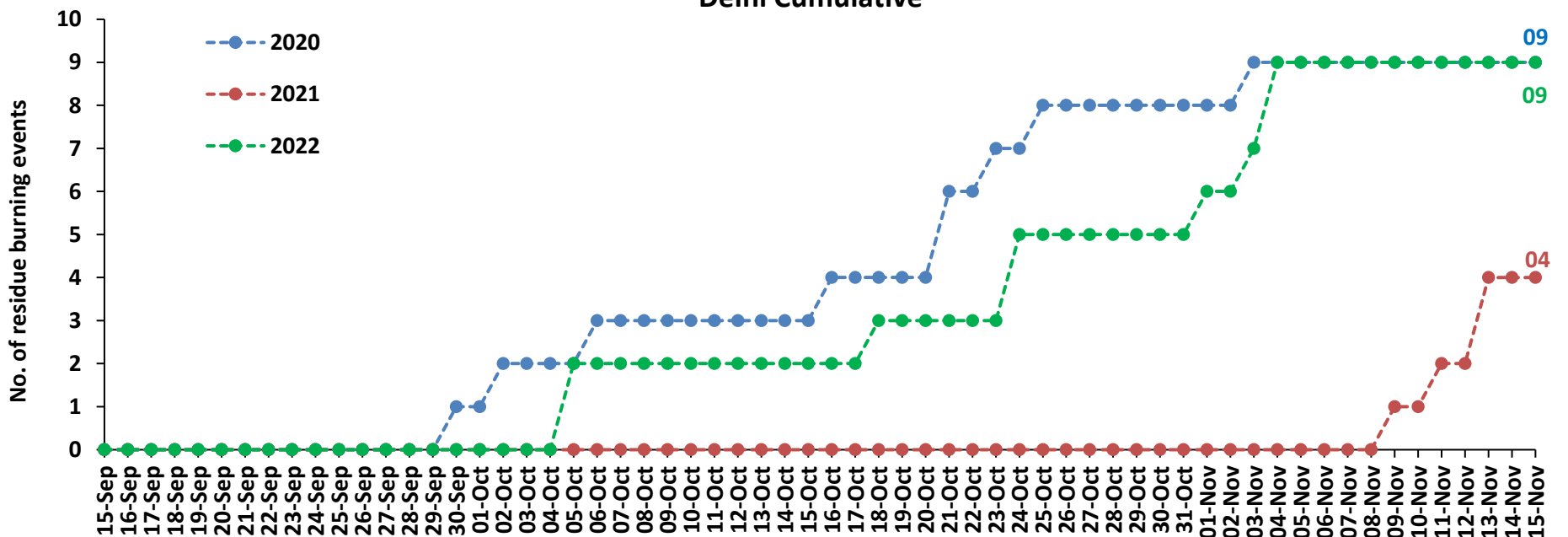
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

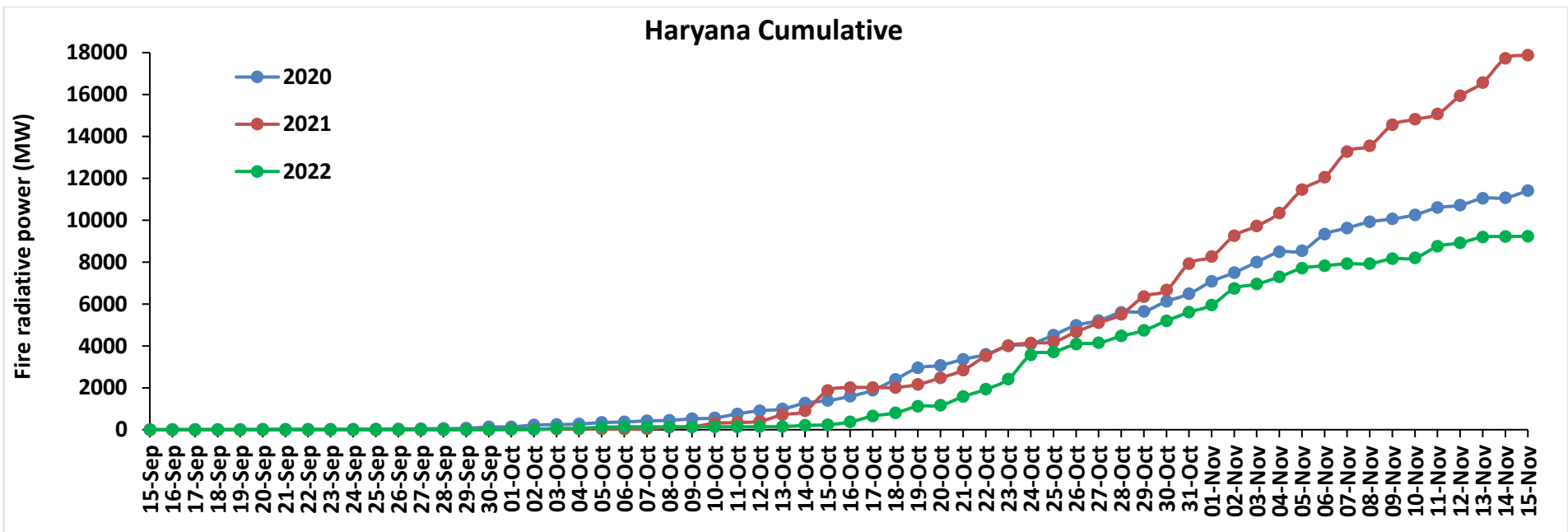
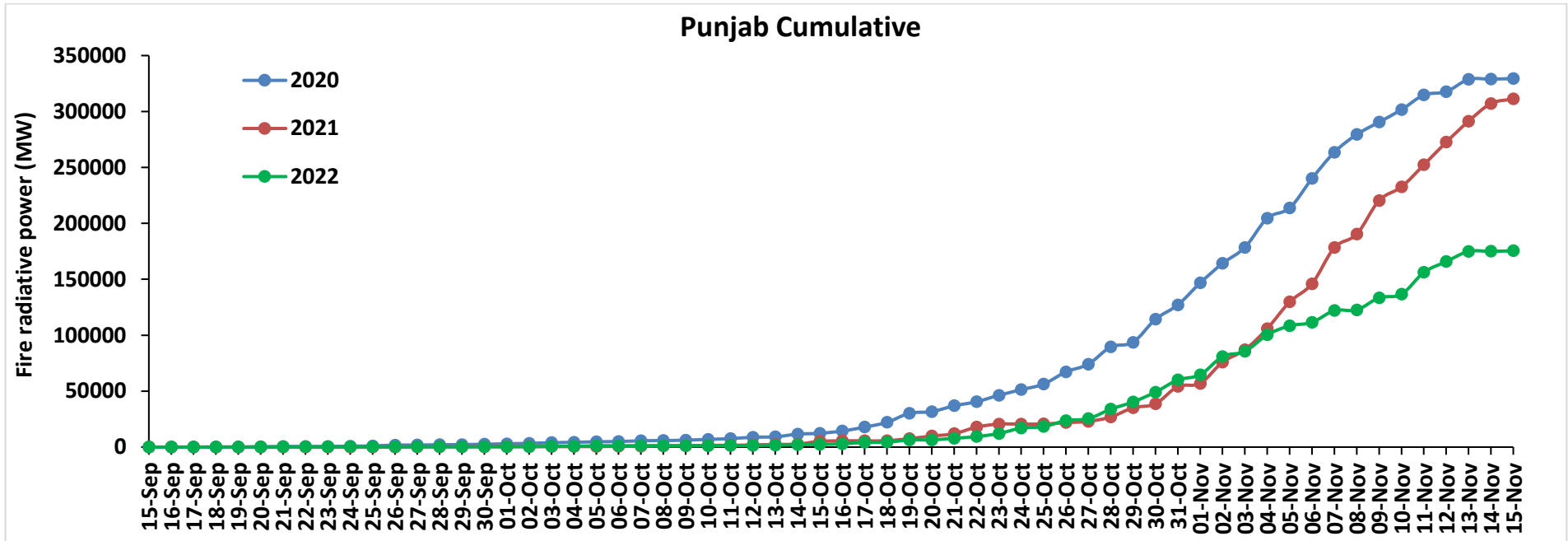


### Delhi Cumulative

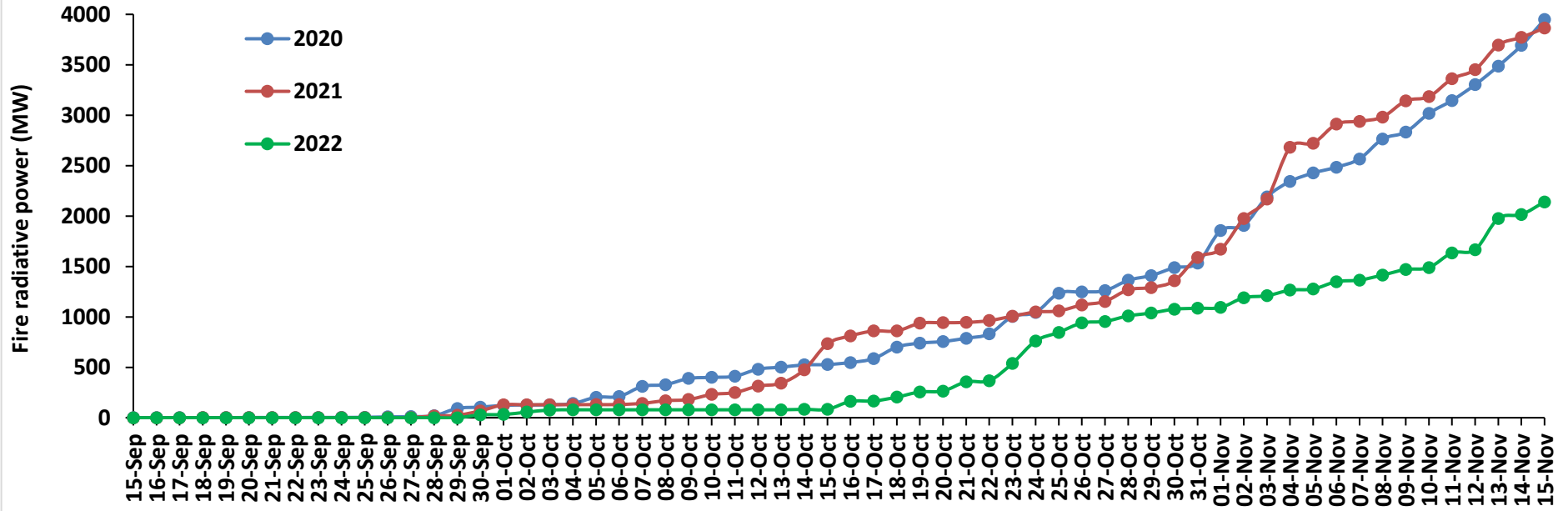




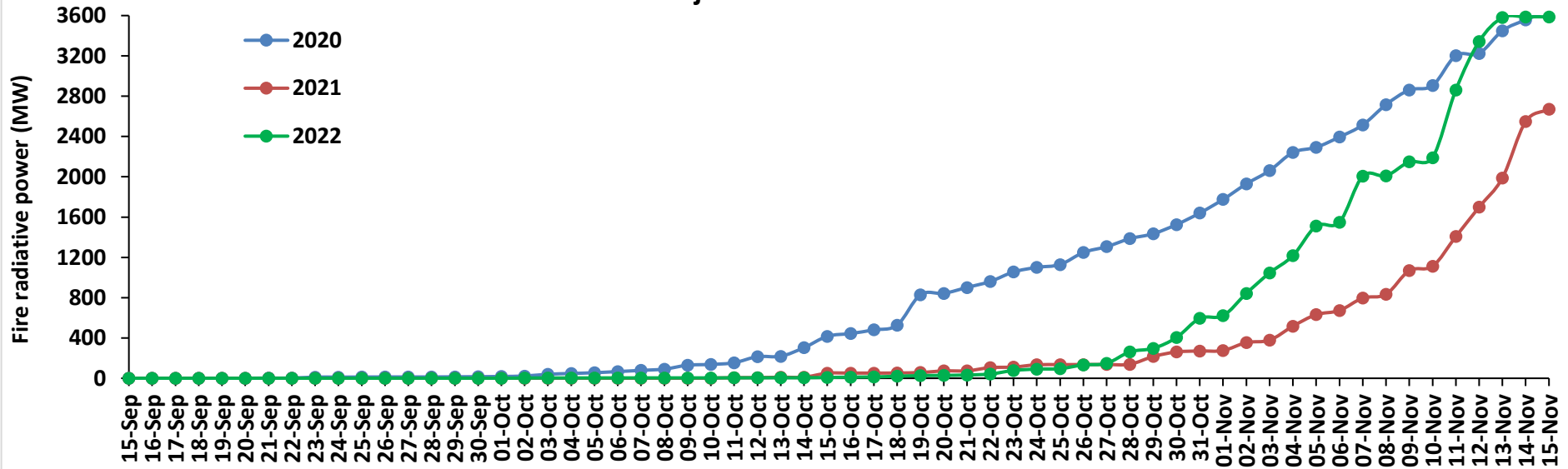
**Comparison of residue burning fire power in current year (2022) with previous years (2021 and 2020) for the study States**



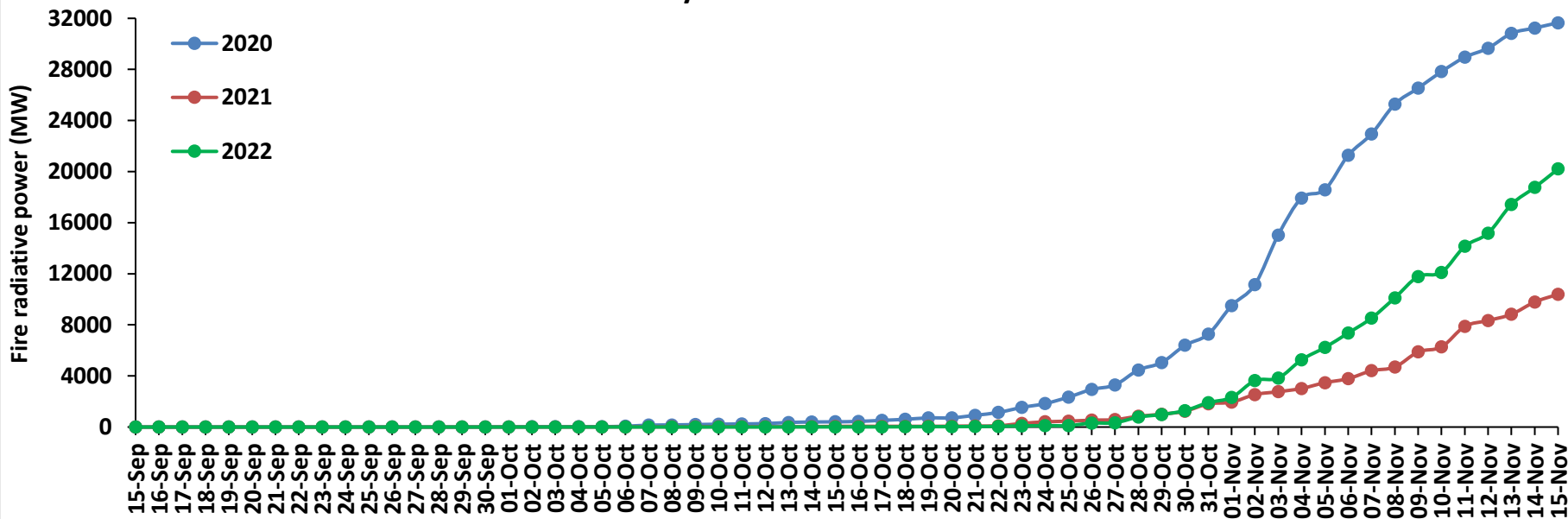
### Uttar Pradesh Cumulative



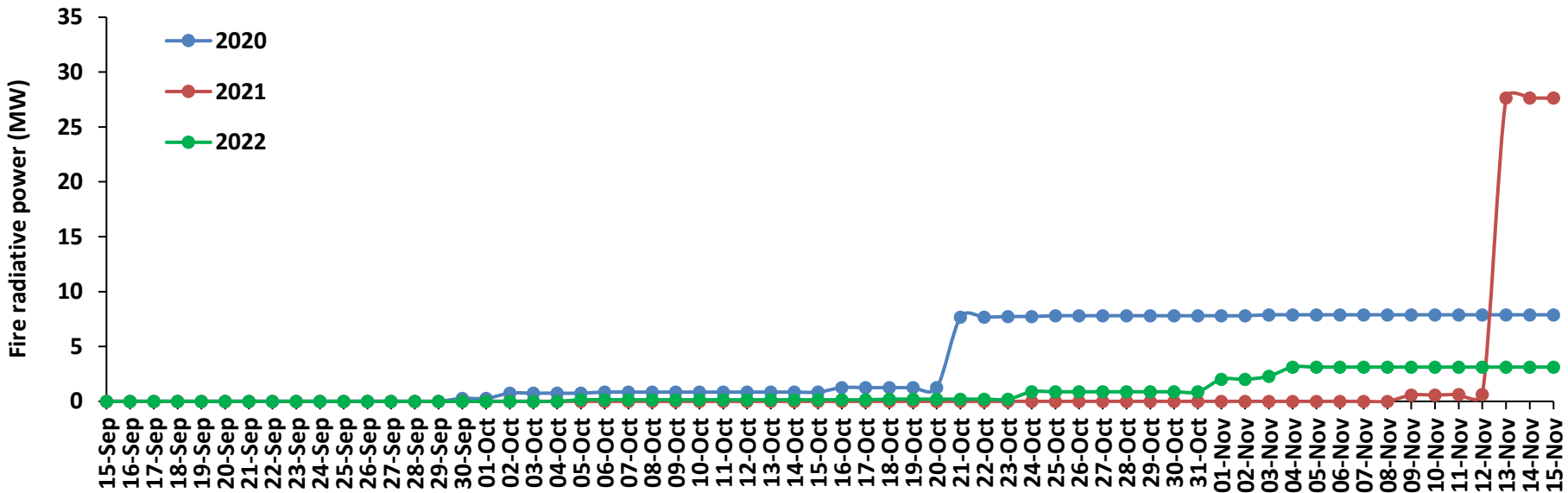
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

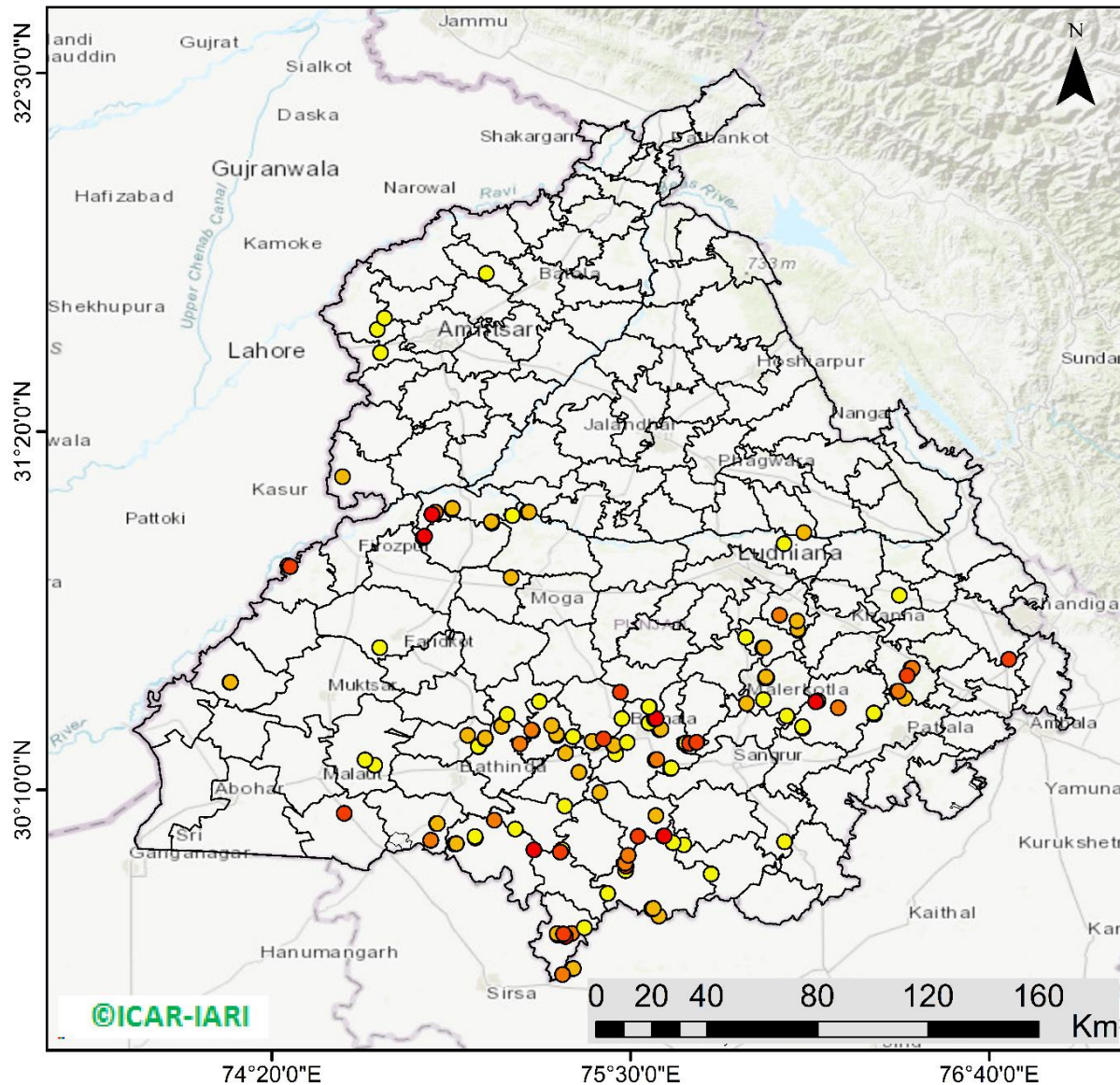


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**141** burning events detected in Punjab during (15th Nov 2022)

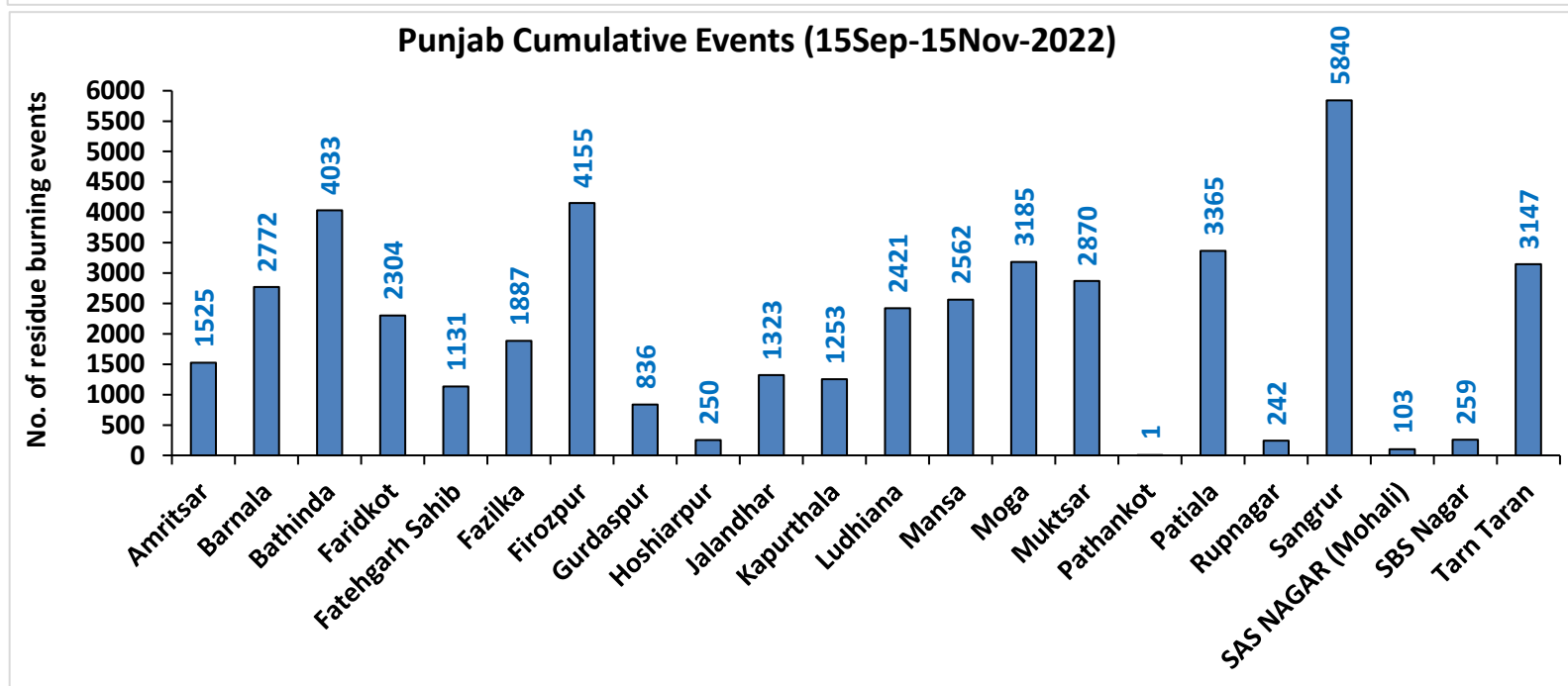
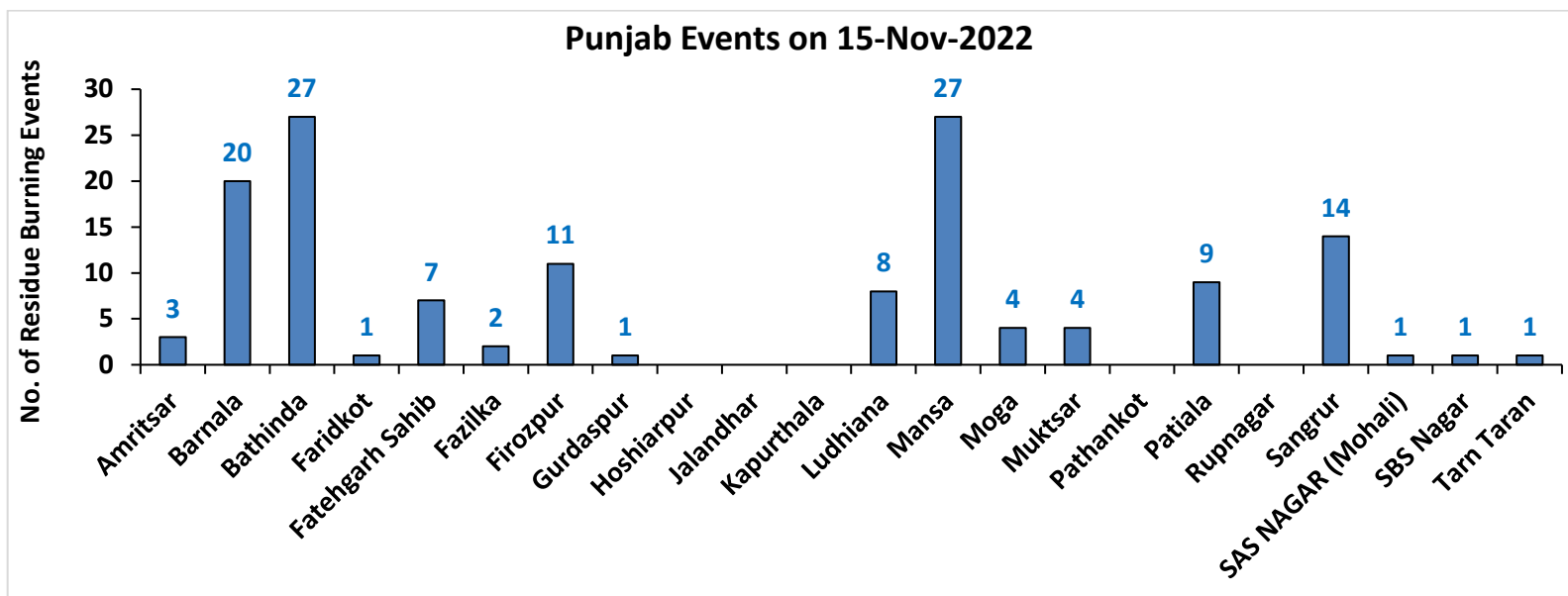
### Fire Intensity (W/m<sup>2</sup>)

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



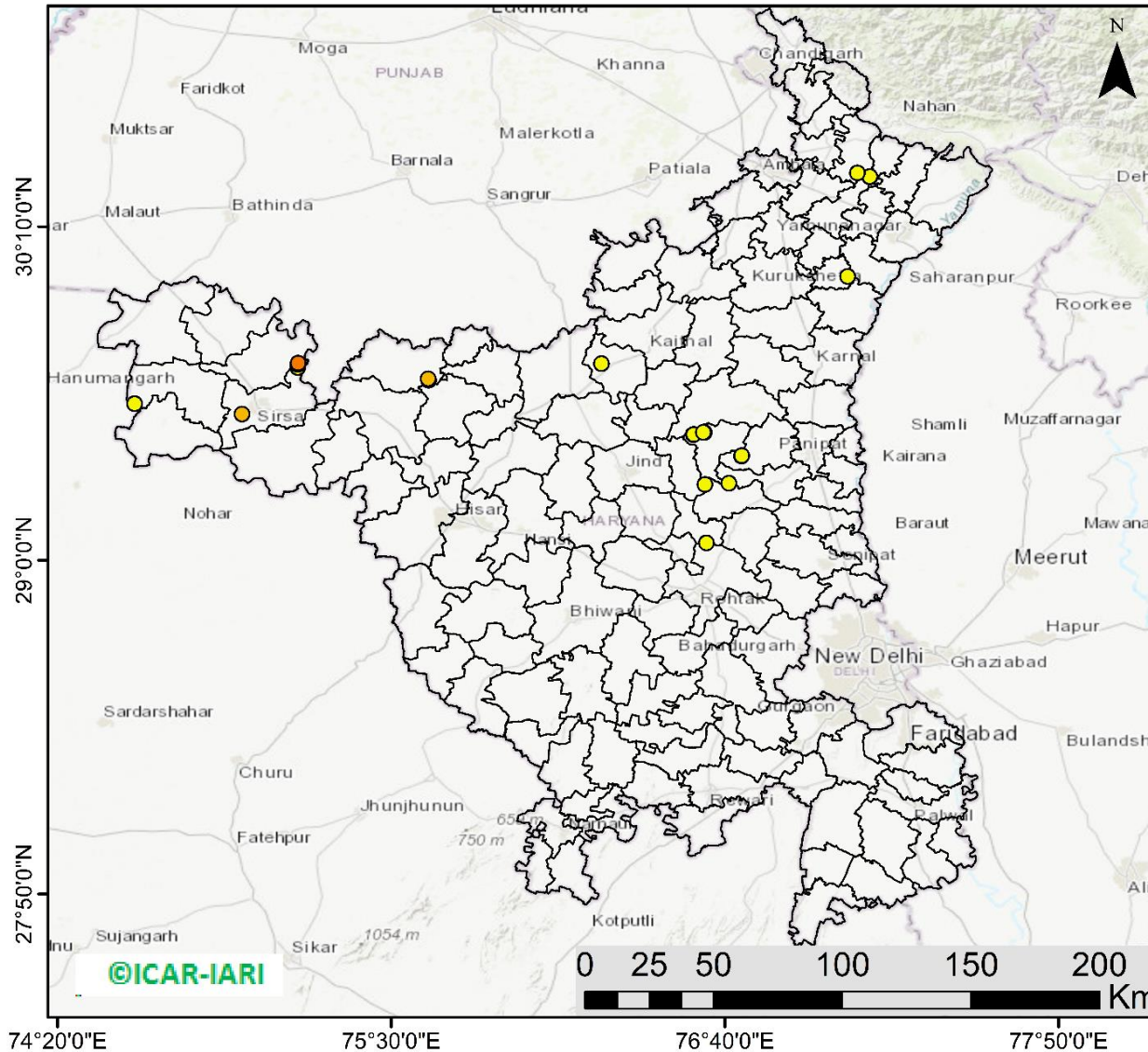
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

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



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**21** burning events detected in Haryana on (15th Nov 2022)

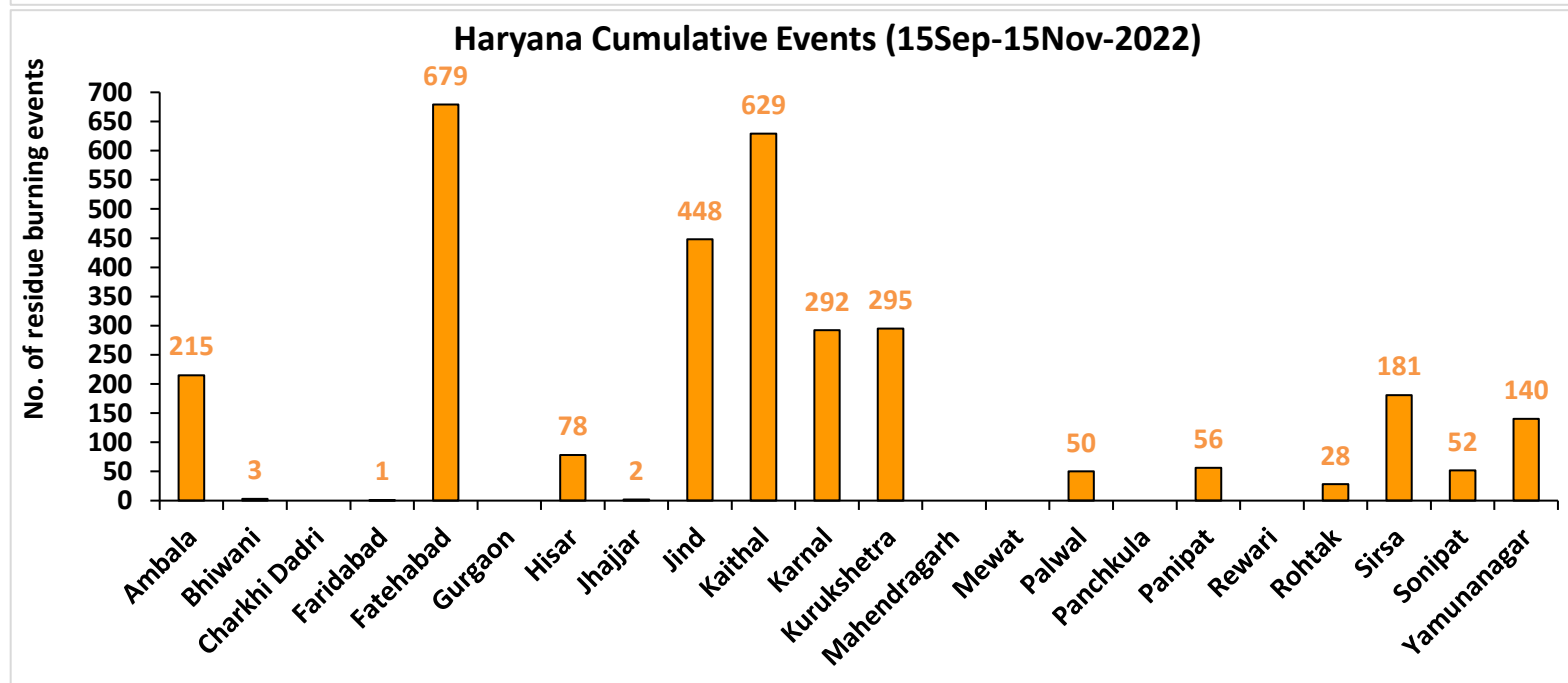
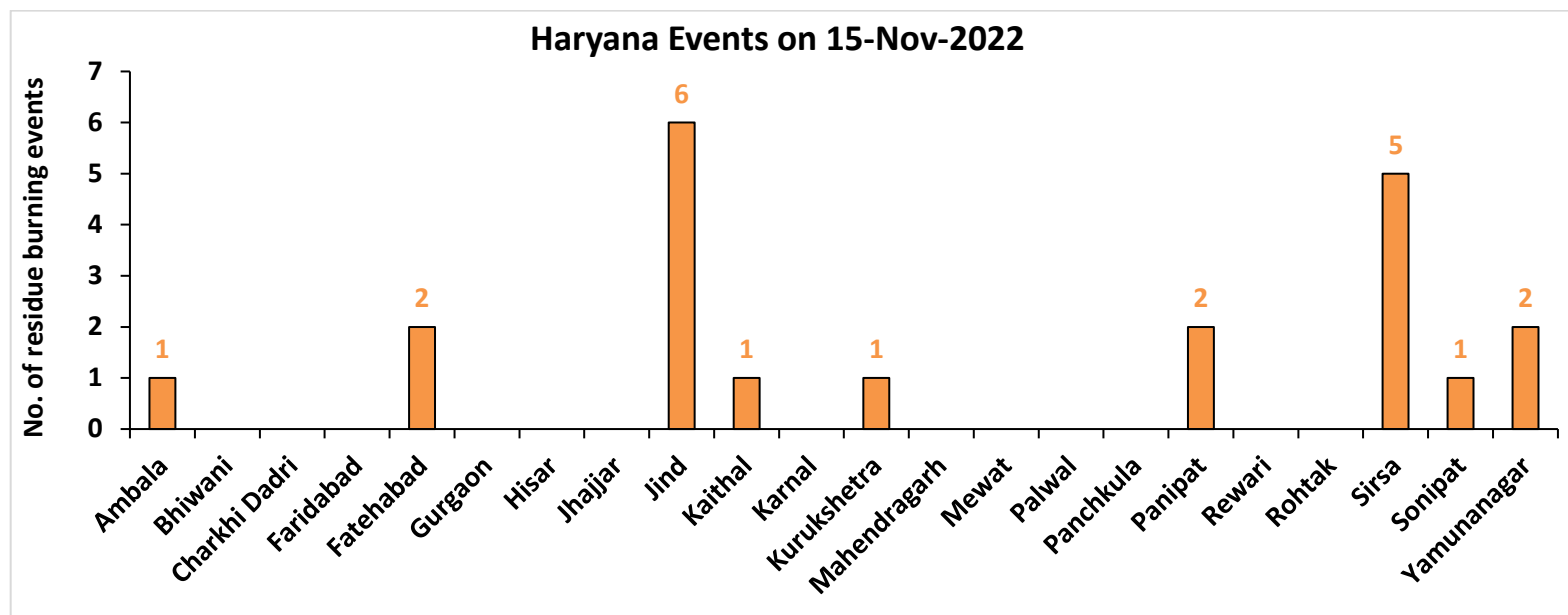
### Fire Intensity (W/m<sup>2</sup>)

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



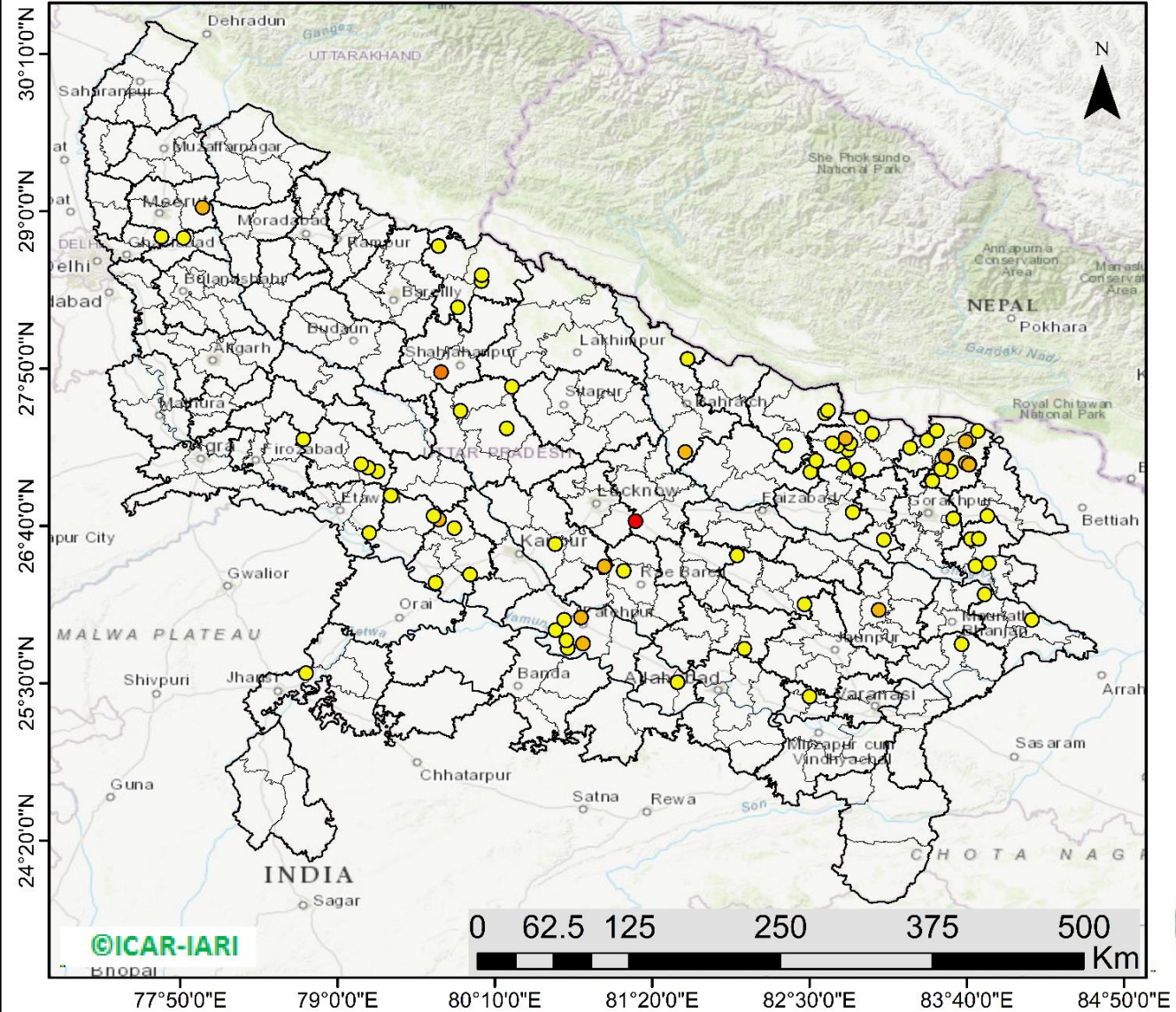
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

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



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



84 burning events detected in Uttar Pradesh on (15th Nov 2022)

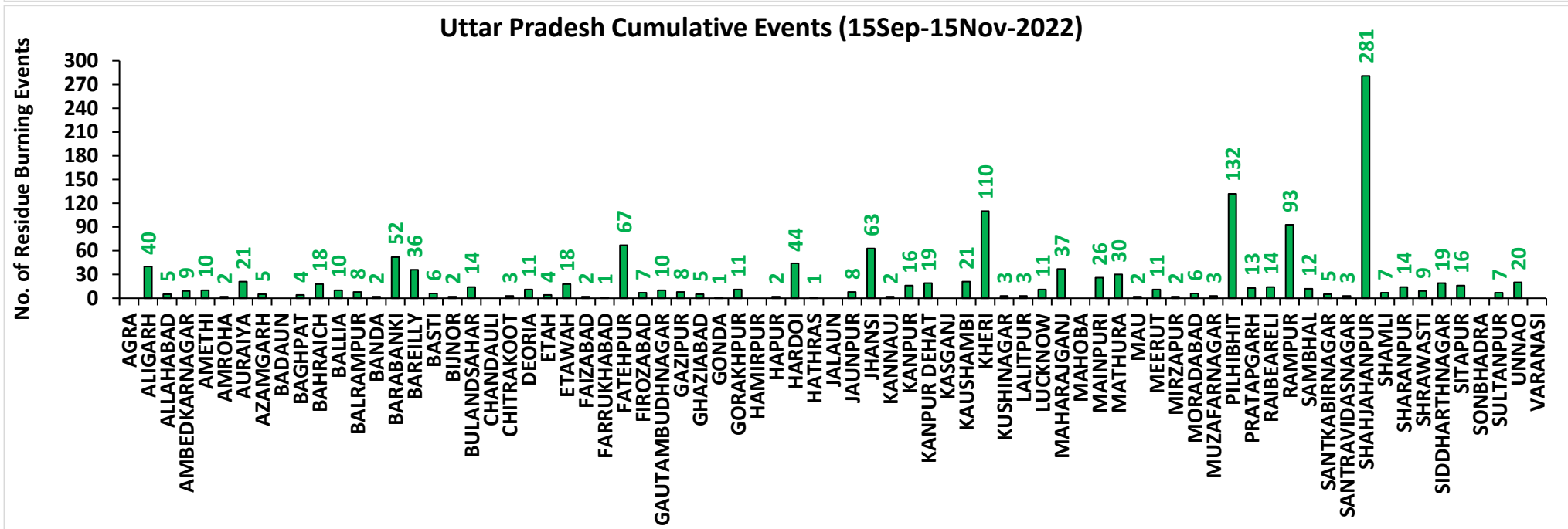
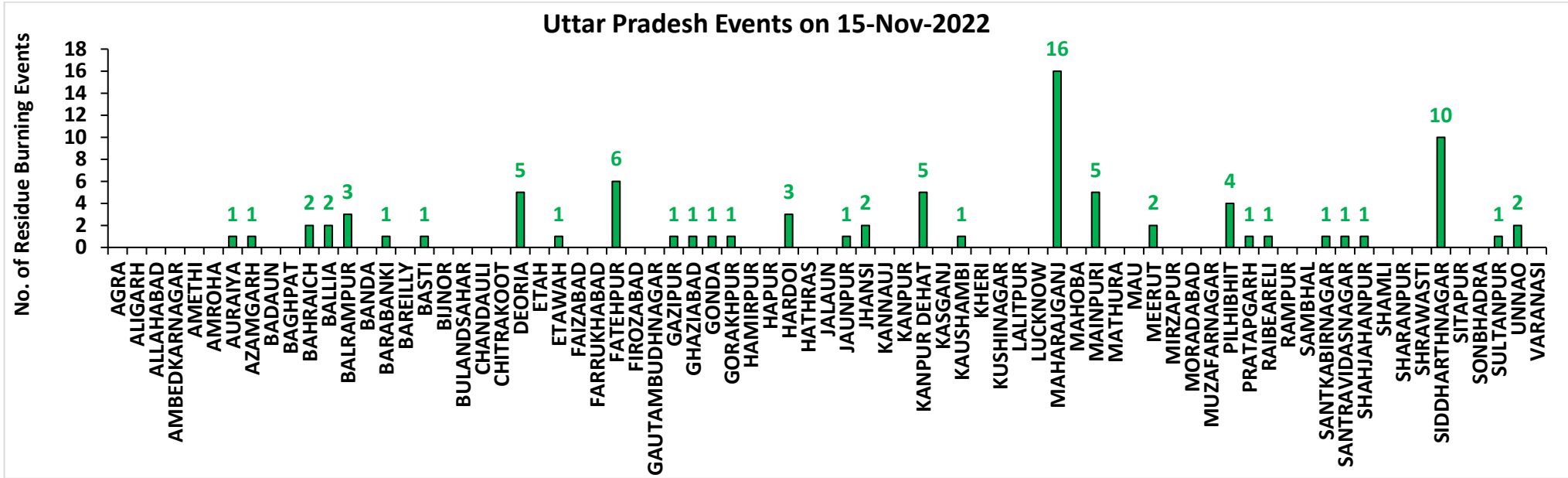
Fire Intensity (W/m2)

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



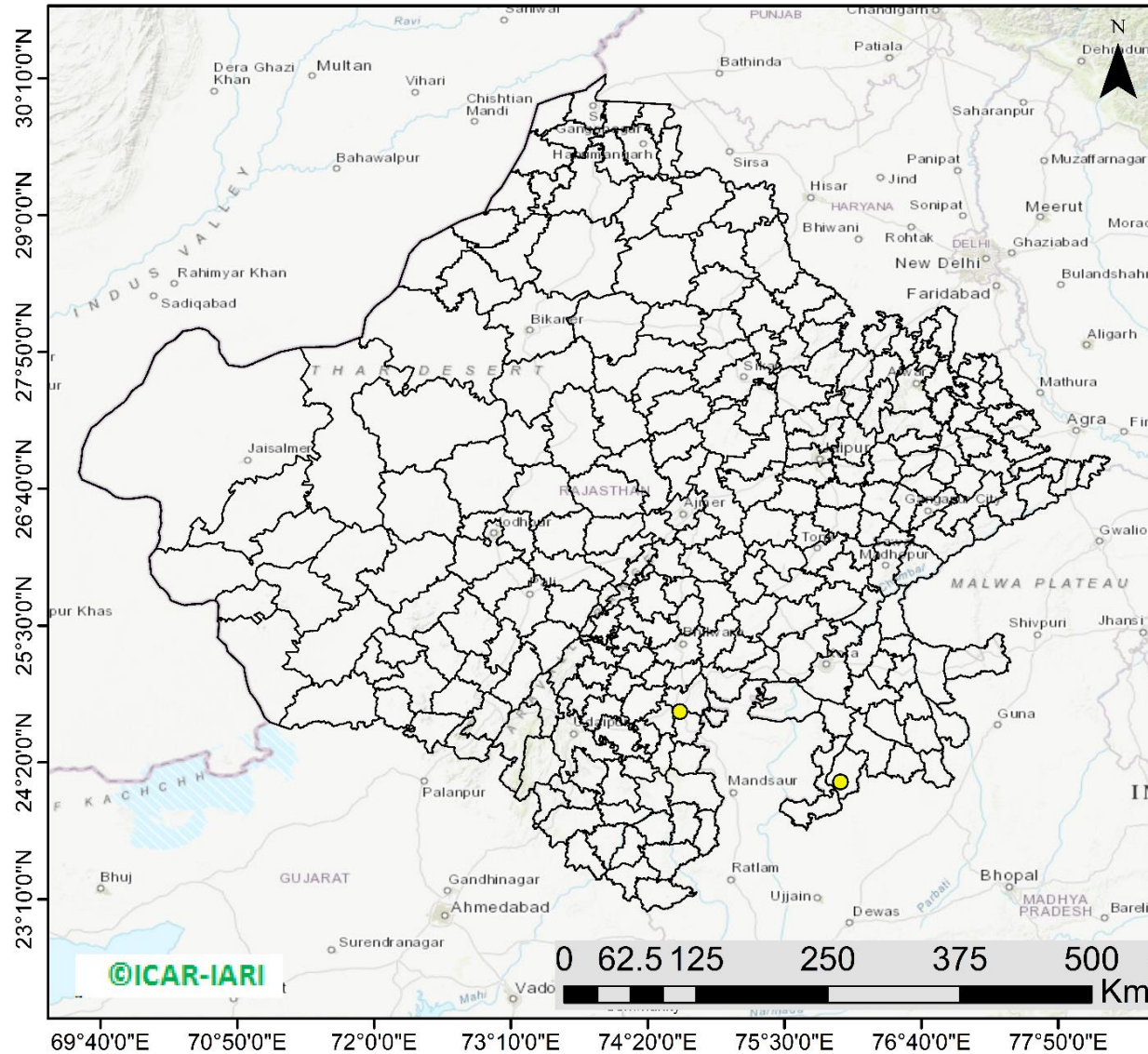


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep- 15Nov-2022)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**02** burning events  
detected in Rajasthan on  
**(15th Nov 2022)**

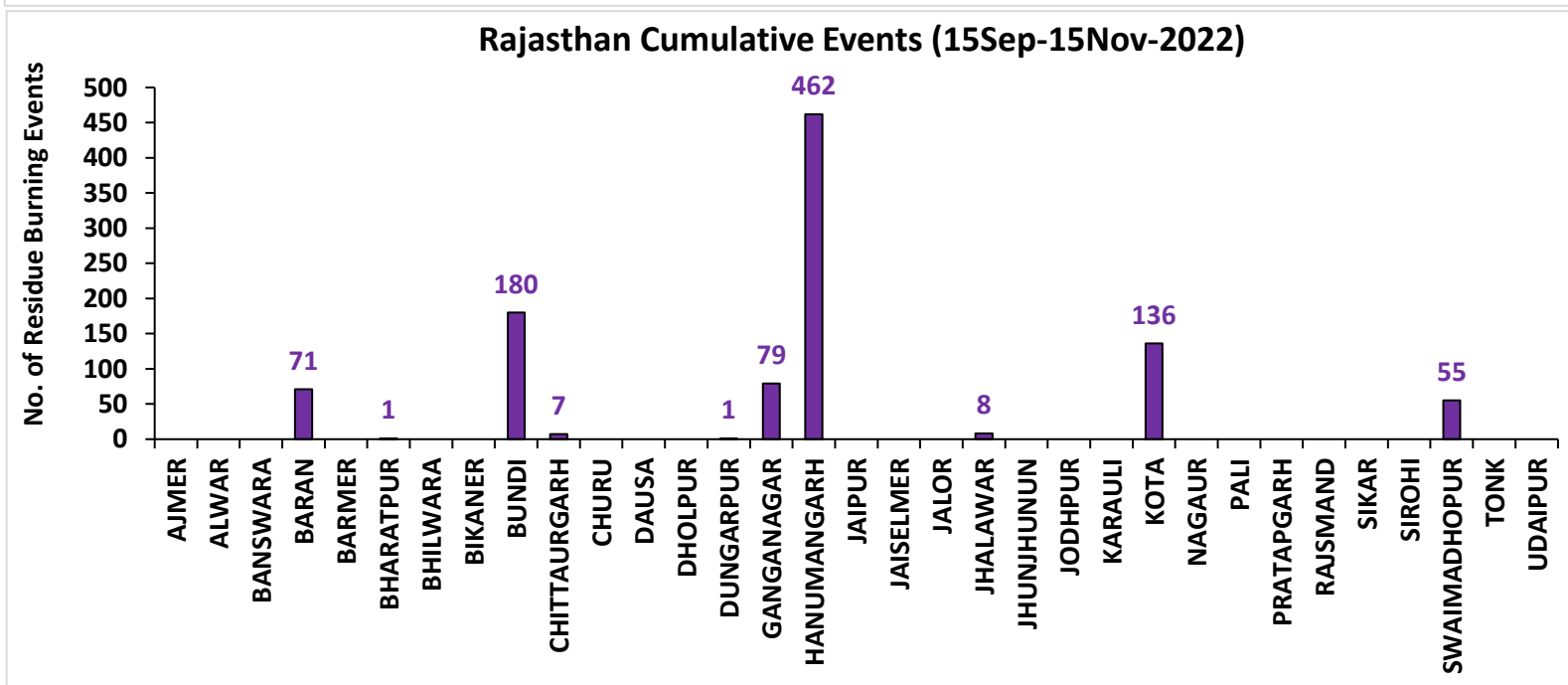
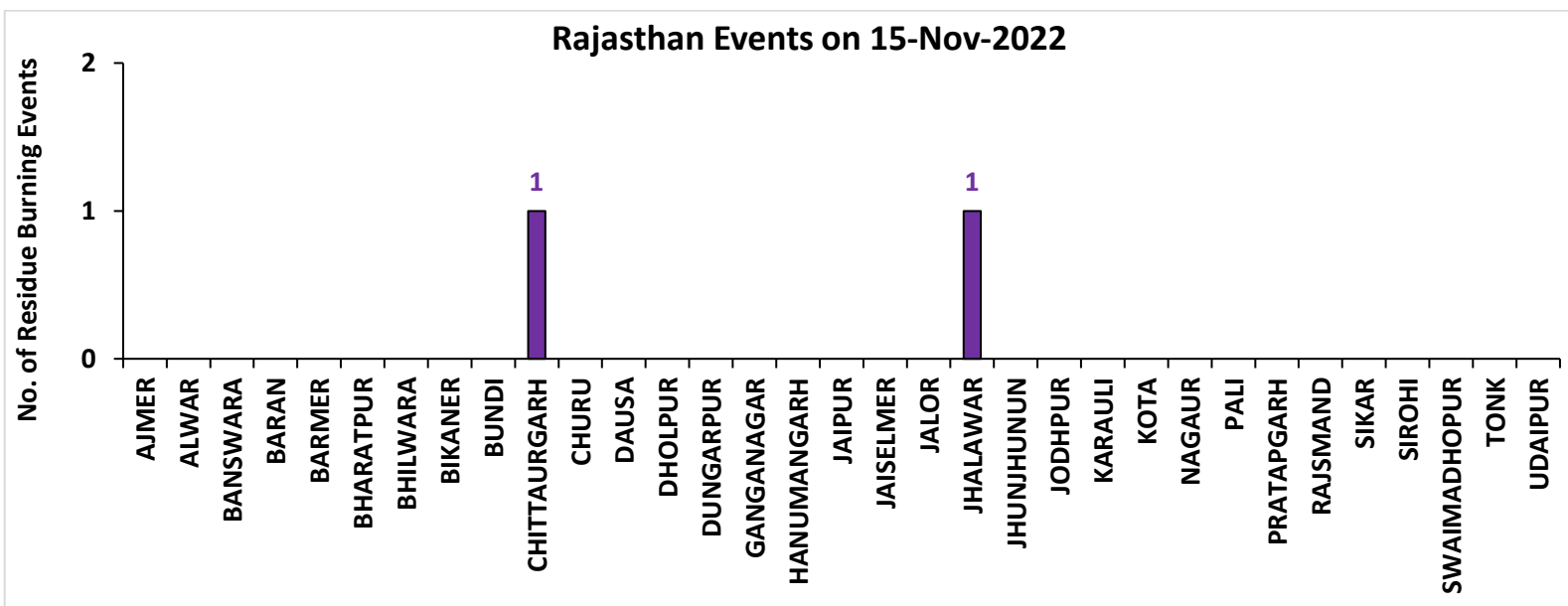
### Fire Intensity (W/m<sup>2</sup>)

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



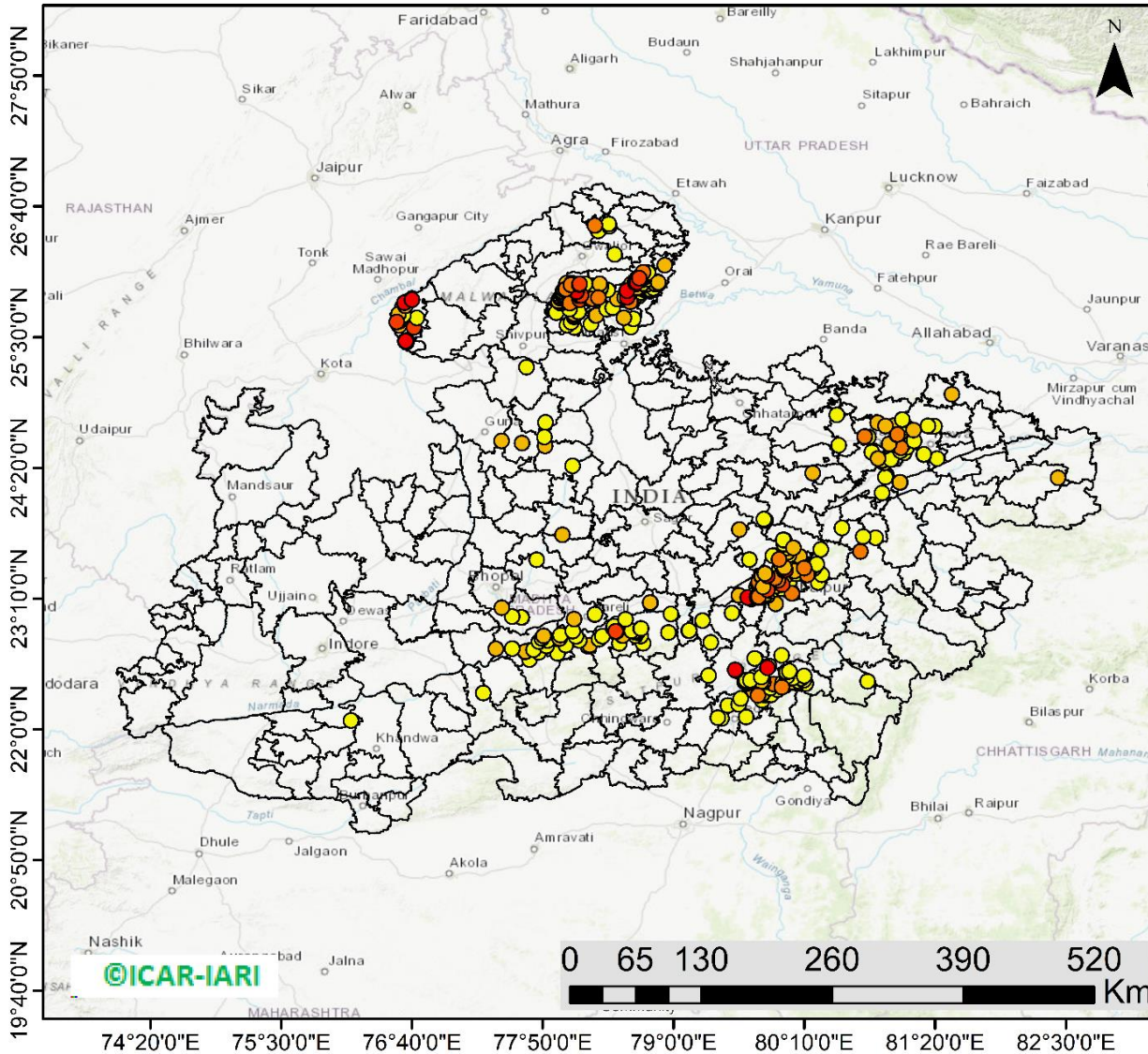
<http://geoportal.icarab.gov.in:8080/geoexplorer/composer/>

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



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**507** burning events detected in MP on (15th Nov 2022)

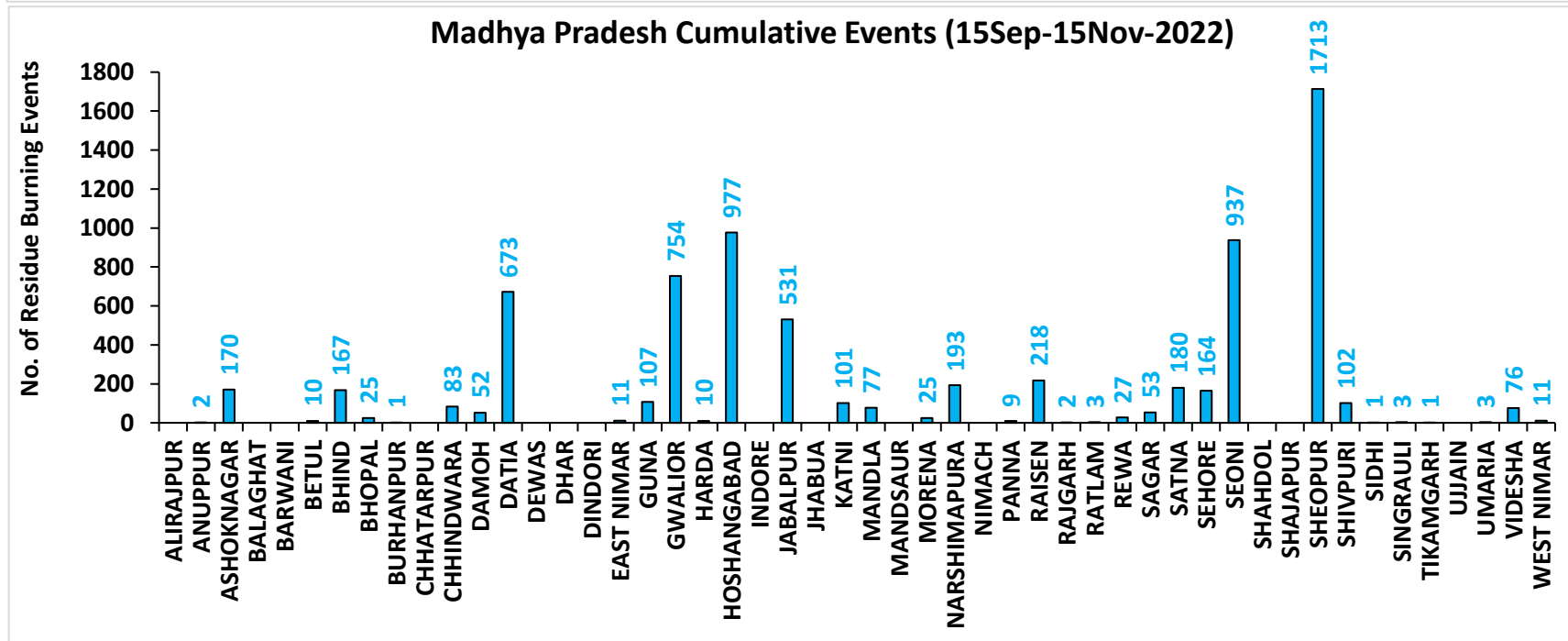
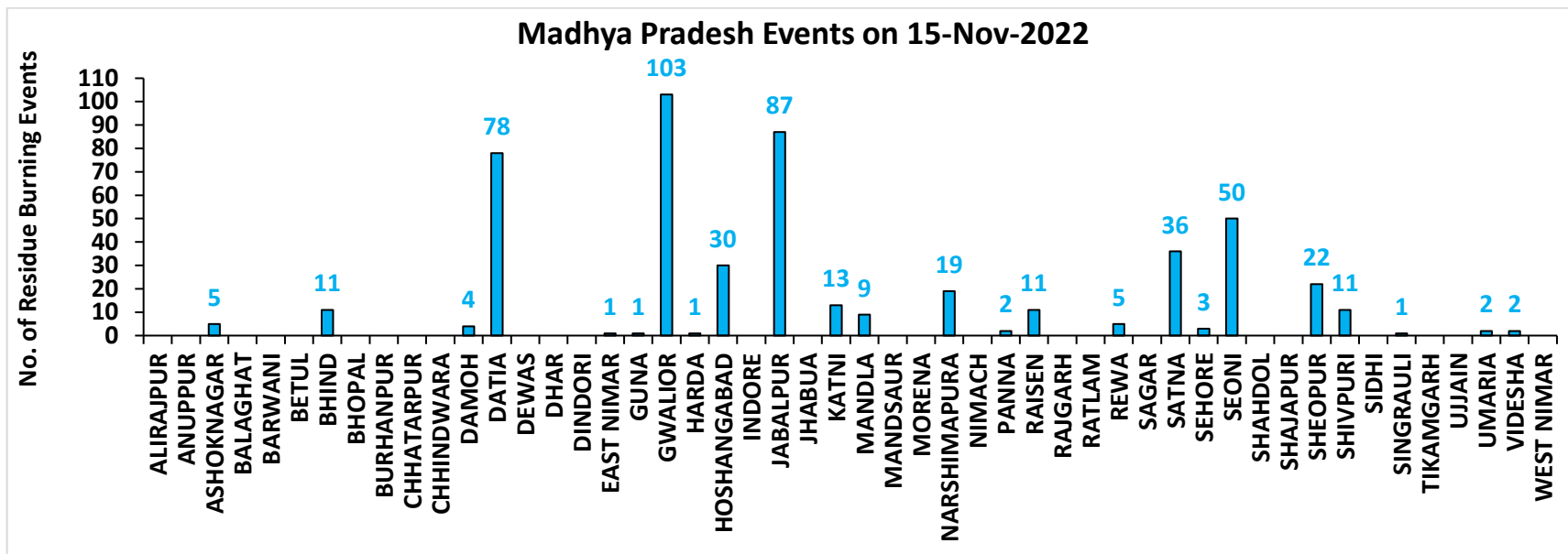
### Fire Intensity (W/m<sup>2</sup>)

- 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- 15Nov-2022)



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

**(a) Punjab**

District	15 Sep-15 Nov 2022		
	2020	2021	2022
Amritsar	3049	2099	1525
Barnala	5216	4233	2772
Bathinda	5015	4171	4033
Faridkot	4603	3755	2304
Fatehgarh Sahib	1528	1616	1131
Fazilka	1810	1843	1887
Firozpur	8226	5958	4155
Gurdaspur	2119	1373	836
Hoshiarpur	386	321	250
Jalandhar	1928	2438	1323
Kapurthala	1879	1771	1253
Ludhiana	4960	5567	2421
Mansa	3650	2849	2562
Moga	7235	6248	3185
Muktsar	4392	3996	2870
Pathankot	13	5	1
Patiala	6382	5104	3365
Rupnagar	205	294	242
Sangrur	11647	8968	5840
SAS NAGAR (Mohali)	127	146	103
SBS Nagar	131	336	259
Tarn Taran	5589	4074	3147
<b>Total</b>	<b>80090</b>	<b>67165</b>	<b>45464</b>

**(b) Haryana**

District	15 Sep-15 Nov 2022		
	2020	2021	2022
AMBALA	344	296	215
BHIWANI	3	2	3
CHARKHI DADRI	0	0	0
FARIDABAD	1	3	1
FATEHABAD	700	1234	679
GURGAON	0	0	0
HISAR	49	96	78
JHAJJAR	6	0	2
JIND	332	686	448
KAITHAL	821	1118	629
KARNAL	578	910	292
KURUKSHETRA	404	528	295
MAHENDRAGARH	0	0	0
MEWAT	0	0	0
PALWAL	46	109	50
PANCHKULA	0	0	0
PANIPAT	43	164	56
REWARI	0	0	0
ROHTAK	41	17	28
SIRSA	131	300	181
SONIPAT	62	117	52
YAMUNANAGAR	140	144	140
<b>Total</b>	<b>3701</b>	<b>5724</b>	<b>3149</b>

(c) Uttar Pradesh

District	15 Sep-15 Nov 2022										
	2020	2021	2022	GAUTAMBUDHNAGAR	11	19	10	MUZAFARNAGAR	29	13	3
AGRA	7	0	0	GAZIPUR	5	5	8	PILHIBHIT	12	197	132
ALIGARH	109	38	40	GHAZIABAD	20	9	5	PRATAPGARH	28	12	13
ALLAHABAD	22	9	5	GONDA	11	6	1	RAIBEARELI	14	27	14
AMBEDKARNAGAR	14	10	9	GORAKHPUR	22	16	11	RAMPUR	145	175	93
AMETHI	3	8	10	HAMIRPUR	3	0	0	SAMBHAL	14	13	12
AMROHA	7	6	2	HAPUR	18	7	2	SANTKABIRNAGAR	23	11	5
AURAIYA	74	28	21	HARDOI	90	82	44	SANTRAVIDASNAGAR	3	1	3
AZAMGARH	24	1	5	HATHRAS	0	0	1	SHAHJAHANPUR	111	380	281
BADAUN	12	16	0	JALAUN	35	0	0	SHAMLI	36	27	7
BAGHPAT	11	7	4	JAUNPUR	26	9	8	SAHARANPUR	91	55	14
BAHRAICH	103	43	18	JHANSI	225	57	63	SHRAWASTI	43	29	9
BALLIA	45	5	10	KANNAUJ	31	4	2	SIDDHARTHANAGAR	45	81	19
BALRAMPUR	60	9	8	KANPUR	27	27	16	SITAPUR	49	37	16
BANDA	18	3	2	KANPUR DEHAT	69	25	19	SONBHADRA	0	0	0
BARABANKI	33	54	52	KASGANJ	2	2	0	SULTANPUR	2	8	7
BAREILLY	63	50	36	KAUSHAMBI	45	49	21	UNNAO	40	20	20
BASTI	50	36	6	KHERI	115	138	110	VARANASI	1	2	0
BIJNOR	28	30	2	KUSHINAGAR	40	8	3	<b>Total</b>	<b>2890</b>	<b>2448</b>	<b>1457</b>
BULANDSAHAR	46	5	14	LALITPUR	1	6	3				
CHANDAULI	1	0	0	LUCKNOW	35	30	11				
CHITRAKOOT	12	7	3	MAHARAJGANJ	25	46	37				
DEORIA	55	4	11	MAHOBA	27	0	0				
ETAH	17	9	4	MAINPURI	59	37	26				
ETAWAH	65	37	18	MATHURA	159	236	30				
FAIZABAD	8	4	2	MAU	15	5	2				
FARRUKHABAD	4	2	1	MEERUT	43	14	11				
FATEHPUR	103	73	67	MIRZAPUR	7	5	2				
FIROZABAD	26	16	7	MORADABAD	18	8	6				

**(d) Delhi**

District	15 Sep-15 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
<b>Total</b>	<b>9</b>	<b>4</b>	<b>9</b>

**(e) Rajasthan**

District	15 Sep-15 Nov 2022		
	2020	2021	2022
AJMER	3	0	0
ALWAR	8	0	0
BANSWARA	0	0	0
BARAN	165	10	71
BARMER	3	0	0
BHARATPUR	2	3	1
BHILWARA	8	0	0
BIKANER	1	0	0
BUNDI	128	73	180
CHITTAURGARH	1	11	7
CHURU	0	0	0
DAUSA	1	0	0
DHOLPUR	0	0	0
DUNGARPUR	0	0	1
GANGANAGAR	116	86	79
HANUMANGARH	616	476	462
JAIPUR	4	0	0
JAISELMER	4	0	0
JALOR	2	0	0
JHALAWAR	8	1	8
JHUNJHUNUN	1	0	0
JODHPUR	4	0	0
KARAULI	1	0	0
KOTA	115	53	136
NAGAUR	2	0	0
PALI	7	0	0
PRATAPGARH	8	0	0
RAJSMAND	1	0	0
SIKAR	0	0	0
SIROHI	2	0	0
SWAIMADHOPUR	65	32	55
TONK	5	0	0
UDAIPUR	1	1	0
<b>Total</b>	<b>1282</b>	<b>746</b>	<b>1000</b>



(f) Madhya Pradesh

District	15 Sep-15 Nov 2022						
	2020	2021	2022	PANNA	49	13	9
ALIRAJPUR	0	0	0	RAISEN	537	169	218
ANUPPUR	0	0	2	RAJGARH	10	3	3
ASHOKNAGAR	152	79	170	RATLAM	2	4	3
BALAGHAT	5	2	0	REWA	117	41	27
BARWANI	3	0	0	SAGAR	28	28	53
BETUL	33	14	10	SATNA	539	207	180
BHIND	251	109	167	SEHORE	144	118	164
BHOPAL	46	29	25	SEONI	1221	863	937
BURHANPUR	11	1	1	SHAHDOL	3	0	0
CHHATARPUR	7	0	0	SHAJAPUR	17	0	0
CHHINDWARA	118	50	83	SHEOPUR	1775	735	1713
DAMOH	73	49	52	SHIVPURI	324	36	102
DATIA	1172	357	673	SIDHI	4	2	1
DEWAS	8	0	0	SINGRAULI	0	2	3
DHAR	41	0	0	TIKAMGARH	4	0	1
DINDORI	0	0	0	UJJAIN	10	0	0
EAST NIMAR	22	7	11	UMARIA	6	3	3
GUNA	66	9	107	VIDESHA	129	72	76
GWALIOR	1908	284	754	WEST NIMAR	58	10	11
HARDA	14	21	10	<b>Total</b>	<b>12143</b>	<b>4973</b>	<b>7472</b>
HOSHANGABAD	1042	983	977				
INDORE	4	0	0				
JABALPUR	1485	398	530				
JHABUA	0	0	0				
KATNI	271	50	101				
MANDLA	124	86	77				
MANDSAUR	12	0	0				
MORENA	62	37	25				
NARSHIMAPURA	234	102	193				
NIMACH	2	0	0				

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

<b>09-Nov</b>	1718	5079	1778	21	217	69	115	51	58	0	1	0	34	48	22	495	330	570
<b>10-Nov</b>	3127	4008	1893	80	184	35	101	77	33	0	0	0	48	40	34	346	380	282
<b>11-Nov</b>	2822	4156	3916	93	126	152	71	151	36	0	1	0	75	55	95	418	506	482
<b>12-Nov</b>	1989	3403	2467	83	127	99	108	120	36	0	0	0	31	40	84	422	185	421
<b>13-Nov</b>	2441	3742	2175	105	210	132	172	95	102	0	2	0	54	78	63	670	171	773
<b>14-Nov</b>	307	2541	4	35	195	17	258	49	101	0	0	0	16	88	1	294	346	633
<b>15-Nov</b>	32	1761	141	31	129	21	29	67	84	0	0	0	6	51	2	35	353	507
<b>Total</b>	<b>80090</b>	<b>67165</b>	<b>45464</b>	<b>3701</b>	<b>5724</b>	<b>3149</b>	<b>2890</b>	<b>2448</b>	<b>1457</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>1282</b>	<b>746</b>	<b>1000</b>	<b>12143</b>	<b>4973</b>	<b>7472</b>

### Details of residue burning events in Punjab on 15-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	ATTARI	S-NPP	31.58930	74.68720	12:58:42	D	3.20
2	AMRITSAR	CHOGAWAN	S-NPP	31.66470	74.67620	12:58:42	D	2.70
3	AMRITSAR	CHOGAWAN	S-NPP	31.70220	74.69970	12:58:42	D	2.70
4	BARNALA	BARNALA	S-NPP	30.23570	75.63050	12:58:42	D	6.00
5	BARNALA	BARNALA	S-NPP	30.23710	75.63270	12:58:42	D	2.60
6	BARNALA	BARNALA	S-NPP	30.26360	75.58080	12:58:42	D	10.30
7	BARNALA	BARNALA	S-NPP	30.26480	75.58610	12:58:42	D	10.30
8	BARNALA	BARNALA	S-NPP	30.28330	75.45200	12:58:42	D	4.10
9	BARNALA	BARNALA	S-NPP	30.31030	75.44420	12:58:42	D	12.80
10	BARNALA	BARNALA	S-NPP	30.31120	75.44670	12:58:42	D	8.90
11	BARNALA	BARNALA	S-NPP	30.32060	75.48910	12:58:42	D	3.30
12	BARNALA	BARNALA	S-NPP	30.36260	75.59390	12:58:42	D	6.90
13	BARNALA	BARNALA	S-NPP	30.36380	75.59910	12:58:42	D	8.30
14	BARNALA	BARNALA	S-NPP	30.38370	75.56020	12:58:42	D	2.40
15	BARNALA	BARNALA	S-NPP	30.39720	75.57850	12:58:42	D	21.60
16	BARNALA	BARNALA	S-NPP	30.39830	75.58370	12:58:42	D	21.60
17	BARNALA	MAHAL KALAN	S-NPP	30.43610	75.56180	12:58:42	D	4.50
18	BARNALA	MAHAL KALAN	S-NPP	30.43640	75.55990	12:58:42	D	3.20
19	BARNALA	SEHNA	S-NPP	30.32080	75.38170	12:58:42	D	7.70
20	BARNALA	SEHNA	S-NPP	30.32410	75.37510	12:58:42	D	7.70
21	BARNALA	SEHNA	S-NPP	30.33230	75.41240	12:58:42	D	16.40
22	BARNALA	SEHNA	S-NPP	30.39800	75.47250	12:58:42	D	2.10
23	BARNALA	SEHNA	AQUA	30.48400	75.46700	13:17:00	D	16.60
24	BATHINDA	BHAGTA BHAI KA	S-NPP	30.41170	75.09920	12:58:42	D	3.70
25	BATHINDA	GONIANA MANDI	S-NPP	30.30620	75.00640	12:58:42	D	7.80
26	BATHINDA	GONIANA MANDI	S-NPP	30.30750	75.00490	12:58:42	D	3.20
27	BATHINDA	GONIANA MANDI	S-NPP	30.33220	75.02750	12:58:42	D	6.70
28	BATHINDA	GONIANA MANDI	S-NPP	30.33540	75.02780	12:58:42	D	5.80
29	BATHINDA	GONIANA MANDI	S-NPP	30.34390	74.97020	12:58:42	D	8.20
30	BATHINDA	MAUR	S-NPP	30.11330	75.28610	12:58:42	D	2.70

31	BATHINDA	NATHANA	S-NPP	30.37350	75.08080	12:58:42	D	5.70
32	BATHINDA	PHUL	S-NPP	30.31600	75.14010	12:58:42	D	11.70
33	BATHINDA	PHUL	S-NPP	30.33950	75.31340	12:58:42	D	4.20
34	BATHINDA	PHUL	S-NPP	30.34240	75.26070	12:58:42	D	5.40
35	BATHINDA	PHUL	S-NPP	30.34700	75.25940	12:58:42	D	5.40
36	BATHINDA	PHUL	S-NPP	30.35880	75.18040	12:58:42	D	7.00
37	BATHINDA	PHUL	S-NPP	30.36120	75.17840	12:58:42	D	11.40
38	BATHINDA	PHUL	S-NPP	30.37580	75.24390	12:58:42	D	5.30
39	BATHINDA	PHUL	S-NPP	30.45400	75.20380	12:58:42	D	3.60
40	BATHINDA	RAMPURA	S-NPP	30.22360	75.33250	12:58:42	D	7.70
41	BATHINDA	RAMPURA	S-NPP	30.28570	75.28870	12:58:42	D	8.00
42	BATHINDA	SANGAT	S-NPP	30.00200	74.85070	12:58:42	D	12.00
43	BATHINDA	SANGAT	S-NPP	30.05630	74.86930	12:58:42	D	9.00
44	BATHINDA	SANGAT	S-NPP	30.05650	74.87180	12:58:42	D	7.00
45	BATHINDA	TALWANDI SABO	S-NPP	29.98950	74.92820	12:58:42	D	5.70
46	BATHINDA	TALWANDI SABO	S-NPP	29.99080	74.93400	12:58:42	D	6.30
47	BATHINDA	TALWANDI SABO	S-NPP	30.00960	74.99550	12:58:42	D	6.10
48	BATHINDA	TALWANDI SABO	S-NPP	30.01430	74.99420	12:58:42	D	4.00
49	BATHINDA	TALWANDI SABO	S-NPP	30.03870	75.12530	12:58:42	D	4.10
50	BATHINDA	TALWANDI SABO	S-NPP	30.06780	75.05710	12:58:42	D	13.70
51	FARIDKOT	FARIDKOT	S-NPP	30.62920	74.68420	12:58:42	D	5.00
52	FATEHGARH SAHIB	KHAMANON	S-NPP	30.79960	76.37470	12:58:42	D	4.90
53	FATEHGARH SAHIB	SIRHIND	S-NPP	30.48670	76.36740	12:58:42	D	12.50
54	FATEHGARH SAHIB	SIRHIND	S-NPP	30.48760	76.37200	12:58:42	D	12.50
55	FATEHGARH SAHIB	SIRHIND	S-NPP	30.55700	76.41350	12:58:42	D	4.40
56	FATEHGARH SAHIB	SIRHIND	S-NPP	30.56120	76.41240	12:58:42	D	14.70
57	FATEHGARH SAHIB	SIRHIND	S-NPP	30.56220	76.41700	12:58:42	D	13.10
58	FATEHGARH SAHIB	SIRHIND	AQUA	30.53800	76.40000	13:17:00	D	19.40
59	FAZILKA	JALALABAD	S-NPP	30.51620	74.19720	14:38:16	D	8.00
60	FAZILKA	JALALABAD	S-NPP	30.51670	74.19880	14:38:16	D	8.00
61	FIROZPUR	MAKHU	S-NPP	31.06670	74.86320	12:58:42	D	1.60
62	FIROZPUR	MAKHU	S-NPP	31.07020	74.86570	12:58:42	D	14.60
63	FIROZPUR	MAKHU	S-NPP	31.07880	74.91870	12:58:42	D	4.00

64	FIROZPUR	MAKHU	S-NPP	31.08270	74.92100	12:58:42	D	9.20
65	FIROZPUR	MAKHU	AQUA	31.06300	74.85400	13:17:00	D	26.40
66	FIROZPUR	MAMDOT	S-NPP	30.89610	74.38600	12:58:42	D	15.60
67	FIROZPUR	MAMDOT	AQUA	30.89300	74.39300	13:17:00	D	17.40
68	FIROZPUR	ZIRA	S-NPP	31.03470	75.04860	12:58:42	D	10.00
69	FIROZPUR	ZIRA	S-NPP	31.03930	75.04730	12:58:42	D	10.00
70	FIROZPUR	ZIRA	AQUA	30.98700	74.82500	13:17:00	D	34.90
71	FIROZPUR	ZIRA	AQUA	30.99200	74.83000	13:17:00	D	36.20
72	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.84750	75.03090	12:58:42	D	3.10
73	LUDHIANA	DORAHA	S-NPP	30.68480	76.04570	12:58:42	D	5.70
74	LUDHIANA	DORAHA	S-NPP	30.68910	76.04450	12:58:42	D	5.70
75	LUDHIANA	DORAHA	S-NPP	30.71610	76.04200	12:58:42	D	5.60
76	LUDHIANA	DORAHA	AQUA	30.73500	75.98500	13:17:00	D	14.30
77	LUDHIANA	LUDHIANA-2	S-NPP	30.96730	76.00010	12:58:42	D	2.90
78	LUDHIANA	MALoud	S-NPP	30.62820	75.93220	12:58:42	D	9.50
79	LUDHIANA	MALoud	S-NPP	30.62840	75.93000	12:58:42	D	5.30
80	LUDHIANA	MALoud	S-NPP	30.62940	75.93490	12:58:42	D	6.80
81	MANSA	BHIKHI	S-NPP	30.08210	75.58280	12:58:42	D	5.30
82	MANSA	BHIKHI	S-NPP	30.15750	75.40020	12:58:42	D	7.90
83	MANSA	BHIKHI	AQUA	30.01500	75.52500	13:17:00	D	16.70
84	MANSA	BUDHLADA	S-NPP	29.75550	75.59260	12:58:42	D	8.40
85	MANSA	BUDHLADA	S-NPP	29.77880	75.57180	12:58:42	D	11.80
86	MANSA	BUDHLADA	S-NPP	29.77910	75.56890	12:58:42	D	5.50
87	MANSA	BUDHLADA	S-NPP	29.78030	75.57420	12:58:42	D	5.50
88	MANSA	BUDHLADA	S-NPP	29.90330	75.48420	12:58:42	D	1.90
89	MANSA	BUDHLADA	S-NPP	29.91800	75.48570	12:58:42	D	15.40
90	MANSA	BUDHLADA	S-NPP	29.92710	75.48310	12:58:42	D	10.10
91	MANSA	BUDHLADA	S-NPP	29.95320	75.49270	12:58:42	D	14.10
92	MANSA	BUDHLADA	S-NPP	29.99420	75.63850	12:58:42	D	4.50
93	MANSA	BUDHLADA	S-NPP	30.01590	75.60720	12:58:42	D	10.90
94	MANSA	BUDHLADA	S-NPP	30.01660	75.60980	12:58:42	D	24.90
95	MANSA	JHUNIR	S-NPP	29.82880	75.42620	12:58:42	D	2.80
96	MANSA	JHUNIR	AQUA	29.97100	75.18600	13:17:00	D	24.20

97	MANSA	MANSA	S-NPP	29.97180	75.27710	12:58:42	D	3.70
98	MANSA	MANSA	AQUA	29.96400	75.27200	13:17:00	D	17.30
99	MANSA	SARDULGARH	S-NPP	29.58370	75.30870	12:58:42	D	5.30
100	MANSA	SARDULGARH	S-NPP	29.58490	75.31420	12:58:42	D	5.30
101	MANSA	SARDULGARH	S-NPP	29.69350	75.26300	12:58:42	D	9.00
102	MANSA	SARDULGARH	S-NPP	29.69820	75.26170	12:58:42	D	9.00
103	MANSA	SARDULGARH	S-NPP	29.69870	75.30880	12:58:42	D	10.80
104	MANSA	SARDULGARH	S-NPP	29.71750	75.35040	12:58:42	D	3.90
105	MANSA	SARDULGARH	AQUA	29.56500	75.27900	13:17:00	D	13.10
106	MANSA	SARDULGARH	AQUA	29.68900	75.28900	13:17:00	D	20.70
107	MANSA	SARDULGARH	AQUA	29.69700	75.28200	13:17:00	D	20.00
108	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.05930	75.11620	12:58:42	D	2.80
109	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.06990	75.16460	12:58:42	D	6.20
110	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.07110	75.16990	12:58:42	D	7.60
111	MOGA	MOGA-2	S-NPP	30.85790	75.11170	12:58:42	D	5.70
112	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.24560	74.66730	12:58:42	D	4.60
113	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.24660	74.66780	12:58:42	D	3.80
114	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.26380	74.63670	12:58:42	D	3.10
115	MUKTSAR	LAMBI	AQUA	30.09000	74.56900	13:17:00	D	19.00
116	PATIALA	NABHA	S-NPP	30.36740	76.06090	12:58:42	D	3.50
117	PATIALA	NABHA	S-NPP	30.37170	76.05970	12:58:42	D	3.50
118	PATIALA	NABHA	S-NPP	30.41230	76.29330	12:58:42	D	4.00
119	PATIALA	NABHA	S-NPP	30.41660	76.29210	12:58:42	D	1.30
120	PATIALA	NABHA	S-NPP	30.43310	76.17620	12:58:42	D	11.00
121	PATIALA	NABHA	S-NPP	30.45550	76.10850	12:58:42	D	5.90
122	PATIALA	NABHA	S-NPP	30.45610	76.11010	12:58:42	D	8.00
123	PATIALA	NABHA	AQUA	30.45300	76.10300	13:17:00	D	23.10
124	PATIALA	PATIALA	S-NPP	30.46500	76.39320	12:58:42	D	7.60
125	SANGRUR	DIRBA	S-NPP	29.99730	76.00140	12:58:42	D	3.80
126	SANGRUR	LEHRA GAGA	S-NPP	29.89200	75.76280	12:58:42	D	3.60
127	SANGRUR	LEHRA GAGA	S-NPP	29.98760	75.67370	12:58:42	D	2.90
128	SANGRUR	MALERKOTLA-1	S-NPP	30.40690	76.00820	12:58:42	D	5.00
129	SANGRUR	MALERKOTLA-1	S-NPP	30.44770	75.87790	12:58:42	D	5.90



130	SANGRUR	MALERKOTLA-1	S-NPP	30.45940	75.93260	12:58:42	D	4.60
131	SANGRUR	MALERKOTLA-1	S-NPP	30.53010	75.93880	12:58:42	D	5.30
132	SANGRUR	MALERKOTLA-1	S-NPP	30.53110	75.94380	12:58:42	D	5.30
133	SANGRUR	MALERKOTLA-1	S-NPP	30.53380	75.94100	12:58:42	D	8.70
134	SANGRUR	MALERKOTLA-2	S-NPP	30.66210	75.87550	12:58:42	D	4.00
135	SANGRUR	SHER PUR	S-NPP	30.31730	75.67570	12:58:42	D	4.20
136	SANGRUR	SHER PUR	S-NPP	30.31840	75.68090	12:58:42	D	4.20
137	SANGRUR	SHER PUR	AQUA	30.31700	75.69200	13:17:00	D	19.80
138	SANGRUR	SHER PUR	AQUA	30.32100	75.71500	13:17:00	D	18.30
139	SAS NAGAR (MOHALI)	KHARAR	AQUA	30.59100	76.73100	13:17:00	D	15.20
140	SBS NAGAR	AUR	S-NPP	31.00380	76.06420	12:58:42	D	7.60
141	TARN TARAN	VALTOHA	S-NPP	31.18580	74.56320	12:58:42	D	5.10

### Details of residue burning events in Haryana on 15-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	AMBALA	NARAINGARH	S-NPP	30.35420	77.12990	12:58:42	D	2.60
2	FATEHABAD	RATIA	S-NPP	29.62970	75.63080	12:58:42	D	4.40
3	FATEHABAD	RATIA	S-NPP	29.63430	75.62950	12:58:42	D	6.30
4	JIND	PILLUKHERA	S-NPP	29.26500	76.59720	12:58:42	D	3.60
5	JIND	SAFIDON	S-NPP	29.26910	76.68100	12:58:42	D	3.50
6	JIND	SAFIDON	S-NPP	29.43880	76.55660	12:58:42	D	3.00
7	JIND	SAFIDON	S-NPP	29.43990	76.55810	12:58:42	D	1.60
8	JIND	SAFIDON	S-NPP	29.44660	76.59460	12:58:42	D	3.60
9	JIND	SAFIDON	S-NPP	29.44700	76.59120	12:58:42	D	2.40
10	KAITHAL	KALAYAT	S-NPP	29.68730	76.23510	12:58:42	D	3.00
11	KURUKSHETRA	LADWA	S-NPP	29.99250	77.09590	12:58:42	D	2.40
12	PANIPAT	MADLAUDA	S-NPP	29.36410	76.72460	12:58:42	D	3.40
13	PANIPAT	MADLAUDA	S-NPP	29.36550	76.72560	12:58:42	D	3.20
14	SIRSA	BARAGUNDA	S-NPP	29.67390	75.17330	12:58:42	D	3.60
15	SIRSA	BARAGUNDA	S-NPP	29.68490	75.17360	12:58:42	D	12.90
16	SIRSA	BARAGUNDA	S-NPP	29.68900	75.17490	12:58:42	D	14.80
17	SIRSA	RANIA	S-NPP	29.54750	74.60300	12:58:42	D	4.70
18	SIRSA	SIRSA	S-NPP	29.51100	74.97830	12:58:42	D	6.90
19	SONIPAT	KATHURA	S-NPP	29.06050	76.60230	12:58:42	D	2.80
20	YAMUNANAGAR	SADHAURA	S-NPP	30.34010	77.17350	12:58:42	D	3.40
21	YAMUNANAGAR	SADHAURA	S-NPP	30.34170	77.17380	12:58:42	D	3.60

### Details of residue burning events in Uttar Pradesh on 15-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AURAIYA	BIDHUNA	S-NPP	26.89080	79.39550	12:58:42	D	4.10
2	AZAMGARH	NIZAMABAD	AQUA	26.04200	83.01400	13:17:00	D	6.20
3	BAHRAICH	KAISARGANJ	AQUA	27.21300	81.57900	13:17:00	D	5.70
4	BAHRAICH	NANPARA	S-NPP	27.90350	81.59560	12:58:42	D	2.10
5	BALLIA	BANSDIH	S-NPP	25.96820	84.14900	12:58:42	D	1.20
6	BALLIA	BELTHARA ROAD	S-NPP	26.15740	83.79940	12:58:42	D	3.60
7	BALRAMPUR	TULSIPUR	S-NPP	27.50040	82.61660	12:58:42	D	0.70
8	BALRAMPUR	TULSIPUR	S-NPP	27.52120	82.63730	12:58:42	D	3.50
9	BALRAMPUR	UTRAULA	S-NPP	27.26240	82.32020	12:58:42	D	1.20
10	BARABANKI	H AidARGARH	AQUA	26.70100	81.21000	13:17:00	D	21.70
11	BASTI	BASTI	S-NPP	26.76700	82.82140	12:58:42	D	2.90
12	DEORIA	BARHAJ	S-NPP	26.36700	83.73150	12:58:42	D	1.60
13	DEORIA	DEORIA	S-NPP	26.56810	83.69630	12:58:42	D	2.30
14	DEORIA	DEORIA	S-NPP	26.57060	83.75490	01:47:59	N	0.60
15	DEORIA	DEORIA	S-NPP	26.73950	83.81940	12:58:42	D	2.80
16	DEORIA	SALEMPUR	S-NPP	26.38950	83.83080	12:58:42	D	2.50
17	ETAWAH	BHARTHNA	S-NPP	26.61300	79.23490	12:58:42	D	3.10
18	FATEHPUR	BINKI	S-NPP	25.89220	80.61720	12:58:42	D	2.80
19	FATEHPUR	FATEHPUR	S-NPP	25.75970	80.70780	12:58:42	D	2.50
20	FATEHPUR	FATEHPUR	S-NPP	25.81670	80.69710	12:58:42	D	2.40
21	FATEHPUR	FATEHPUR	S-NPP	25.96870	80.68060	12:58:42	D	3.30
22	FATEHPUR	FATEHPUR	AQUA	25.79300	80.82000	13:17:00	D	9.10
23	FATEHPUR	FATEHPUR	AQUA	25.98600	80.80600	13:17:00	D	6.20
24	GAZIPUR	GAZIPUR	S-NPP	25.78800	83.62760	12:58:42	D	1.40
25	GHAZIABAD	MODINAGAR	S-NPP	28.80990	77.69540	12:58:42	D	3.30
26	GONDA	MANKAPUR	S-NPP	27.06540	82.50750	12:58:42	D	3.30
27	GORAKHPUR	CHAURI CHAURA	S-NPP	26.72010	83.56720	12:58:42	D	1.60
28	HARDOI	HARDOI	S-NPP	27.38810	80.25500	01:47:59	N	1.00
29	HARDOI	SHAHABAD	S-NPP	27.51820	79.91220	12:58:42	D	2.30

30	HARDOI	SHAHABAD	S-NPP	27.69730	80.29340	12:58:42	D	2.20
31	JAUNPUR	SHHGANJ	S-NPP	26.08340	82.46360	12:58:42	D	4.50
32	JHANSI	MOTH	S-NPP	25.75160	78.82060	01:47:59	N	0.30
33	JHANSI	TAHRAULI	S-NPP	25.57340	78.76620	12:58:42	D	2.10
34	KANPUR DEHAT	AKBARPUR	S-NPP	26.30520	79.98310	12:58:42	D	3.50
35	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.24290	79.72730	12:58:42	D	2.20
36	KANPUR DEHAT	RASULABAD	S-NPP	26.64880	79.86670	01:47:59	N	0.40
37	KANPUR DEHAT	RASULABAD	S-NPP	26.71220	79.75280	12:58:42	D	5.10
38	KANPUR DEHAT	RASULABAD	S-NPP	26.74040	79.71340	12:58:42	D	2.10
39	KAUSHAMBI	CHAIL	S-NPP	25.50690	81.52220	12:58:42	D	4.00
40	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.99800	83.41200	12:58:42	D	2.20
41	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06990	83.54750	12:58:42	D	2.20
42	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08600	83.47600	12:58:42	D	2.20
43	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.13200	83.65970	12:58:42	D	6.40
44	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.18360	83.51710	12:58:42	D	2.70
45	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.11900	83.68200	13:17:00	D	5.60
46	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.17800	83.51100	13:17:00	D	6.70
47	MAHARAJGANJ	NAUTANWA	S-NPP	27.30040	83.37320	12:58:42	D	1.60
48	MAHARAJGANJ	NAUTANWA	S-NPP	27.37190	83.44370	12:58:42	D	1.60
49	MAHARAJGANJ	NICHLAUL	S-NPP	27.11920	83.68620	12:58:42	D	5.20
50	MAHARAJGANJ	NICHLAUL	S-NPP	27.12580	83.68490	12:58:42	D	9.70
51	MAHARAJGANJ	NICHLAUL	S-NPP	27.30140	83.68270	12:58:42	D	3.70
52	MAHARAJGANJ	NICHLAUL	S-NPP	27.30470	83.68200	12:58:42	D	3.70
53	MAHARAJGANJ	NICHLAUL	S-NPP	27.36980	83.74930	12:58:42	D	2.40
54	MAHARAJGANJ	NICHLAUL	AQUA	27.29100	83.65900	13:17:00	D	7.30
55	MAHARAJGANJ	PHARENDA	S-NPP	27.24580	83.24640	12:58:42	D	1.60
56	MAINPURI	BHOGAON	S-NPP	27.07030	79.29720	12:58:42	D	3.10
57	MAINPURI	BHOGAON	S-NPP	27.09750	79.22770	12:58:42	D	2.50
58	MAINPURI	BHOGAON	S-NPP	27.12270	79.17500	01:47:59	N	0.50
59	MAINPURI	KARHAL	S-NPP	27.03880	78.97030	01:47:59	N	0.30
60	MAINPURI	MAINPURI	S-NPP	27.30810	78.74710	12:58:42	D	2.10
61	MEERUT	MAWANA	S-NPP	29.02700	77.99920	12:58:42	D	5.30
62	MEERUT	MEERUT	S-NPP	28.80150	77.85840	12:58:42	D	2.40
63	PILHIBHIT	BISALPUR	S-NPP	28.28580	79.89280	01:47:59	N	0.60

64	PILHIBHIT	PILHIBHIT	S-NPP	28.74050	79.75030	01:47:59	N	0.40
65	PILHIBHIT	PURANPUR	S-NPP	28.48070	80.06800	12:58:42	D	3.50
66	PILHIBHIT	PURANPUR	S-NPP	28.52520	80.06960	12:58:42	D	2.80
67	PRATAPGARH	PATTI	AQUA	25.75500	82.01700	13:17:00	D	4.60
68	RAIBEARELI	RAEBARELI	S-NPP	26.33260	81.12260	12:58:42	D	2.60
69	SANTKABIRNAGAR	GHANGHATA	S-NPP	26.56310	83.05150	12:58:42	D	3.40
70	SANTRAVIDASNAGAR	BHADOHI	S-NPP	25.40010	82.50040	12:58:42	D	2.70
71	SHAHJAHANPUR	SHAHJAHANPUR	AQUA	27.80600	79.76800	13:17:00	D	14.70
72	SIDDHARTHANAGAR	BANSI	S-NPP	27.08180	82.86220	12:58:42	D	4.00
73	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.11700	82.75200	12:58:42	D	2.10
74	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.14970	82.54940	12:58:42	D	2.80
75	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.27790	82.66950	12:58:42	D	1.30
76	SIDDHARTHANAGAR	ITWA	S-NPP	27.22790	82.78760	12:58:42	D	1.20
77	SIDDHARTHANAGAR	ITWA	S-NPP	27.26030	82.71040	12:58:42	D	2.40
78	SIDDHARTHANAGAR	ITWA	S-NPP	27.27550	82.80260	12:58:42	D	2.70
79	SIDDHARTHANAGAR	ITWA	AQUA	27.31500	82.76800	13:17:00	D	5.10
80	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.35020	82.96450	12:58:42	D	3.50
81	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.47190	82.88740	12:58:42	D	2.90
82	SULTANPUR	SULTANPUR	S-NPP	26.44720	81.96370	12:58:42	D	2.20
83	UNNAO	PURWA	AQUA	26.36500	80.98000	13:17:00	D	6.30
84	UNNAO	UNNAO	S-NPP	26.53020	80.61430	12:58:42	D	1.80

**Details of residue burning events in Rajasthan on 15-Nov-2022**

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	CHITTAURGARH	CHITTAURGARH	S-NPP	24.76530	74.60860	01:47:59	N	1.40
2	JHALAWAR	PIDDAWA	S-NPP	24.16650	75.97790	01:47:59	N	0.60

### Details of residue burning events in Madhya Pradesh on 15-Nov-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.55320	77.64880	12:58:42	D	5.70
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.60810	77.84820	12:58:42	D	4.10
3	ASHOKNAGAR	ISAGARH	S-NPP	24.73810	77.85840	12:58:42	D	3.80
4	ASHOKNAGAR	MUNGAOLI	S-NPP	24.35010	78.10070	12:58:42	D	4.00
5	ASHOKNAGAR	MUNGAOLI	S-NPP	24.52820	77.85440	12:58:42	D	7.10
6	BHIND	GOHAD	S-NPP	26.44740	78.32910	12:58:42	D	3.50
7	BHIND	GOHAD	S-NPP	26.48870	78.42800	12:58:42	D	3.00
8	BHIND	GOHAD	S-NPP	26.50920	78.42310	12:58:42	D	2.80
9	BHIND	GOHAD	AQUA	26.49600	78.30000	13:17:00	D	11.30
10	BHIND	LAHAR	S-NPP	25.97040	78.84230	12:58:42	D	6.30
11	BHIND	LAHAR	S-NPP	25.97710	78.83690	12:58:42	D	3.40
12	BHIND	LAHAR	S-NPP	25.97900	78.86530	12:58:42	D	0.80
13	BHIND	LAHAR	S-NPP	25.98270	78.86470	12:58:42	D	3.50
14	BHIND	LAHAR	S-NPP	25.99400	78.85780	12:58:42	D	2.70
15	BHIND	LAHAR	S-NPP	26.14060	78.92220	12:58:42	D	5.70
16	BHIND	LAHAR	AQUA	25.98600	78.86500	13:17:00	D	7.80
17	DAMOH	DAMOH	S-NPP	23.78200	79.58830	12:58:42	D	5.90
18	DAMOH	JABERA	S-NPP	23.51350	79.67700	12:58:42	D	3.10
19	DAMOH	PATERA	S-NPP	23.86340	79.82100	12:58:42	D	7.90
20	DAMOH	PATERA	S-NPP	23.87410	79.80640	12:58:42	D	2.30
21	DATIA	BHANDER	S-NPP	25.85940	78.66610	12:58:42	D	1.40
22	DATIA	BHANDER	S-NPP	25.86430	78.69060	12:58:42	D	2.40
23	DATIA	BHANDER	S-NPP	25.86680	78.66000	12:58:42	D	1.90
24	DATIA	BHANDER	S-NPP	25.88490	78.64290	12:58:42	D	3.00
25	DATIA	BHANDER	S-NPP	25.88570	78.64700	12:58:42	D	2.90
26	DATIA	BHANDER	S-NPP	25.89520	78.71720	12:58:42	D	3.80
27	DATIA	BHANDER	S-NPP	25.90940	78.78990	12:58:42	D	3.00
28	DATIA	BHANDER	S-NPP	25.91450	78.75070	12:58:42	D	4.50
29	DATIA	BHANDER	S-NPP	25.91530	78.75480	12:58:42	D	4.50

30	DATIA	BHANDER	S-NPP	25.91990	78.80000	12:58:42	D	5.50
31	DATIA	BHANDER	S-NPP	25.92020	78.75780	12:58:42	D	7.70
32	DATIA	BHANDER	S-NPP	25.92160	78.78700	12:58:42	D	2.20
33	DATIA	BHANDER	S-NPP	25.92310	78.79500	12:58:42	D	4.20
34	DATIA	BHANDER	S-NPP	25.93670	78.82110	12:58:42	D	2.20
35	DATIA	BHANDER	S-NPP	25.97100	78.76290	12:58:42	D	3.70
36	DATIA	DATIA	S-NPP	25.58800	78.62080	12:58:42	D	3.10
37	DATIA	DATIA	S-NPP	25.66220	78.64250	12:58:42	D	1.30
38	DATIA	DATIA	S-NPP	25.67160	78.55780	12:58:42	D	6.30
39	DATIA	DATIA	S-NPP	25.74660	78.40480	12:58:42	D	2.20
40	DATIA	DATIA	S-NPP	25.76160	78.45880	12:58:42	D	2.00
41	DATIA	SEONDHA	S-NPP	25.82840	78.61770	12:58:42	D	3.60
42	DATIA	SEONDHA	S-NPP	25.82920	78.62180	12:58:42	D	3.60
43	DATIA	SEONDHA	S-NPP	25.83000	78.56110	12:58:42	D	2.60
44	DATIA	SEONDHA	S-NPP	25.83410	78.56010	12:58:42	D	2.60
45	DATIA	SEONDHA	S-NPP	25.83910	78.49790	12:58:42	D	5.70
46	DATIA	SEONDHA	S-NPP	25.84480	78.61380	12:58:42	D	3.00
47	DATIA	SEONDHA	S-NPP	25.84980	78.57370	12:58:42	D	4.00
48	DATIA	SEONDHA	S-NPP	25.85060	78.57780	12:58:42	D	6.00
49	DATIA	SEONDHA	S-NPP	25.85140	78.60360	12:58:42	D	2.10
50	DATIA	SEONDHA	S-NPP	25.85220	78.56440	12:58:42	D	3.20
51	DATIA	SEONDHA	S-NPP	25.85470	78.59850	12:58:42	D	6.60
52	DATIA	SEONDHA	S-NPP	25.85550	78.60260	12:58:42	D	5.70
53	DATIA	SEONDHA	S-NPP	25.85880	78.59750	12:58:42	D	6.60
54	DATIA	SEONDHA	S-NPP	25.85960	78.60160	12:58:42	D	5.70
55	DATIA	SEONDHA	S-NPP	25.86210	78.59240	12:58:42	D	6.40
56	DATIA	SEONDHA	S-NPP	25.86620	78.59140	12:58:42	D	6.40
57	DATIA	SEONDHA	S-NPP	25.87270	78.60280	12:58:42	D	5.40
58	DATIA	SEONDHA	S-NPP	25.87850	78.61000	12:58:42	D	4.00
59	DATIA	SEONDHA	S-NPP	25.90730	78.58150	12:58:42	D	3.40
60	DATIA	SEONDHA	S-NPP	25.91220	78.58470	12:58:42	D	10.30
61	DATIA	SEONDHA	S-NPP	25.91630	78.58370	12:58:42	D	10.30
62	DATIA	SEONDHA	S-NPP	25.93360	78.69530	12:58:42	D	3.90

63	DATIA	SEONDHA	S-NPP	25.93460	78.67800	12:58:42	D	2.30
64	DATIA	SEONDHA	S-NPP	25.93700	78.67790	12:58:42	D	10.70
65	DATIA	SEONDHA	S-NPP	25.93870	78.67700	12:58:42	D	9.30
66	DATIA	SEONDHA	S-NPP	25.97220	78.66100	12:58:42	D	4.40
67	DATIA	SEONDHA	S-NPP	25.97390	78.62640	12:58:42	D	2.50
68	DATIA	SEONDHA	S-NPP	25.97470	78.65190	12:58:42	D	9.20
69	DATIA	SEONDHA	S-NPP	25.97600	78.72370	12:58:42	D	1.60
70	DATIA	SEONDHA	S-NPP	25.98040	78.65910	12:58:42	D	5.60
71	DATIA	SEONDHA	S-NPP	25.98440	78.65810	12:58:42	D	6.70
72	DATIA	SEONDHA	S-NPP	26.00070	78.67550	12:58:42	D	4.40
73	DATIA	SEONDHA	S-NPP	26.00730	78.66540	12:58:42	D	5.60
74	DATIA	SEONDHA	S-NPP	26.00940	78.72000	12:58:42	D	3.00
75	DATIA	SEONDHA	S-NPP	26.01350	78.71910	12:58:42	D	4.20
76	DATIA	SEONDHA	S-NPP	26.01400	78.76530	12:58:42	D	2.20
77	DATIA	SEONDHA	S-NPP	26.01700	78.67160	12:58:42	D	2.50
78	DATIA	SEONDHA	S-NPP	26.01750	78.71810	12:58:42	D	4.20
79	DATIA	SEONDHA	S-NPP	26.02750	78.68180	12:58:42	D	2.50
80	DATIA	SEONDHA	S-NPP	26.02980	78.71520	12:58:42	D	5.20
81	DATIA	SEONDHA	S-NPP	26.03560	78.70110	12:58:42	D	8.80
82	DATIA	SEONDHA	S-NPP	26.03600	78.74750	12:58:42	D	4.80
83	DATIA	SEONDHA	S-NPP	26.03960	78.70010	12:58:42	D	8.80
84	DATIA	SEONDHA	S-NPP	26.04900	78.74860	12:58:42	D	3.30
85	DATIA	SEONDHA	S-NPP	26.05050	78.75660	12:58:42	D	4.00
86	DATIA	SEONDHA	S-NPP	26.06430	78.74940	12:58:42	D	1.80
87	DATIA	SEONDHA	S-NPP	26.06600	78.74870	12:58:42	D	2.60
88	DATIA	SEONDHA	S-NPP	26.06910	78.77340	12:58:42	D	3.10
89	DATIA	SEONDHA	S-NPP	26.07060	78.77280	12:58:42	D	8.40
90	DATIA	SEONDHA	S-NPP	26.07320	78.77240	12:58:42	D	4.30
91	DATIA	SEONDHA	S-NPP	26.07740	78.72940	12:58:42	D	12.50
92	DATIA	SEONDHA	AQUA	25.81300	78.61500	13:17:00	D	14.40
93	DATIA	SEONDHA	AQUA	25.85500	78.58800	13:17:00	D	30.40
94	DATIA	SEONDHA	AQUA	25.91200	78.58700	13:17:00	D	23.10
95	DATIA	SEONDHA	AQUA	25.98400	78.65900	13:17:00	D	14.80



96	DATIA	SEONDHA	AQUA	25.98500	78.66900	13:17:00	D	38.70
97	DATIA	SEONDHA	AQUA	25.98700	78.67500	13:17:00	D	25.10
98	DATIA	SEONDHA	AQUA	26.02500	78.69500	13:17:00	D	16.20
99	EAST NIMAR	KHANDWA	S-NPP	22.07770	76.12330	12:58:42	D	1.30
100	GUNA	GUNA	S-NPP	24.57220	77.46650	12:58:42	D	6.50
101	GWALIOR	BHITARWAR	S-NPP	25.72160	78.15370	12:58:42	D	8.00
102	GWALIOR	BHITARWAR	S-NPP	25.72330	78.15240	12:58:42	D	4.70
103	GWALIOR	BHITARWAR	S-NPP	25.74970	78.07310	12:58:42	D	3.40
104	GWALIOR	BHITARWAR	S-NPP	25.80100	77.99510	12:58:42	D	2.50
105	GWALIOR	BHITARWAR	S-NPP	25.80330	77.99580	12:58:42	D	3.20
106	GWALIOR	BHITARWAR	S-NPP	25.81150	78.03590	12:58:42	D	4.90
107	GWALIOR	BHITARWAR	S-NPP	25.81320	78.03420	12:58:42	D	7.50
108	GWALIOR	BHITARWAR	S-NPP	25.81510	78.06640	12:58:42	D	3.10
109	GWALIOR	BHITARWAR	S-NPP	25.81580	78.03480	12:58:42	D	4.60
110	GWALIOR	BHITARWAR	S-NPP	25.81670	77.97380	12:58:42	D	4.00
111	GWALIOR	BHITARWAR	S-NPP	25.81760	77.97830	12:58:42	D	4.00
112	GWALIOR	BHITARWAR	S-NPP	25.82090	78.03830	12:58:42	D	4.20
113	GWALIOR	BHITARWAR	S-NPP	25.82100	77.97280	12:58:42	D	5.70
114	GWALIOR	BHITARWAR	S-NPP	25.82120	78.09730	12:58:42	D	2.20
115	GWALIOR	BHITARWAR	S-NPP	25.83760	78.16340	12:58:42	D	3.80
116	GWALIOR	BHITARWAR	S-NPP	25.84680	77.98990	12:58:42	D	1.90
117	GWALIOR	BHITARWAR	S-NPP	25.85290	78.17340	12:58:42	D	5.60
118	GWALIOR	BHITARWAR	S-NPP	25.85710	77.99680	12:58:42	D	3.50
119	GWALIOR	BHITARWAR	S-NPP	25.86100	78.03780	12:58:42	D	2.80
120	GWALIOR	BHITARWAR	S-NPP	25.86500	78.01350	12:58:42	D	5.80
121	GWALIOR	BHITARWAR	S-NPP	25.86590	78.01800	12:58:42	D	11.40
122	GWALIOR	BHITARWAR	S-NPP	25.86880	78.05450	12:58:42	D	7.70
123	GWALIOR	BHITARWAR	S-NPP	25.86930	78.01250	12:58:42	D	5.80
124	GWALIOR	BHITARWAR	S-NPP	25.87140	78.06770	12:58:42	D	3.80
125	GWALIOR	BHITARWAR	S-NPP	25.87410	78.08100	12:58:42	D	4.60
126	GWALIOR	BHITARWAR	S-NPP	25.87570	78.06670	12:58:42	D	9.80
127	GWALIOR	BHITARWAR	S-NPP	25.87780	78.12160	12:58:42	D	3.30
128	GWALIOR	BHITARWAR	S-NPP	25.87830	78.07990	12:58:42	D	10.20

129	GWALIOR	BHITARWAR	S-NPP	25.87990	78.06570	12:58:42	D	9.80
130	GWALIOR	BHITARWAR	S-NPP	25.88040	78.02380	12:58:42	D	4.50
131	GWALIOR	BHITARWAR	S-NPP	25.90170	78.01870	12:58:42	D	5.50
132	GWALIOR	BHITARWAR	S-NPP	25.90400	78.11980	12:58:42	D	4.40
133	GWALIOR	BHITARWAR	S-NPP	25.90510	78.01320	12:58:42	D	1.70
134	GWALIOR	BHITARWAR	S-NPP	25.90540	78.05960	12:58:42	D	3.80
135	GWALIOR	BHITARWAR	S-NPP	25.90960	78.05850	12:58:42	D	3.10
136	GWALIOR	BHITARWAR	S-NPP	25.91220	78.07170	12:58:42	D	9.90
137	GWALIOR	BHITARWAR	S-NPP	25.91310	78.07610	12:58:42	D	9.90
138	GWALIOR	BHITARWAR	S-NPP	25.91650	78.07070	12:58:42	D	9.90
139	GWALIOR	BHITARWAR	S-NPP	25.92050	78.02340	12:58:42	D	3.40
140	GWALIOR	BHITARWAR	S-NPP	25.92910	78.04450	12:58:42	D	8.60
141	GWALIOR	BHITARWAR	S-NPP	25.93020	78.04070	12:58:42	D	10.10
142	GWALIOR	BHITARWAR	S-NPP	25.93070	78.08670	12:58:42	D	3.90
143	GWALIOR	BHITARWAR	S-NPP	25.93200	78.12680	12:58:42	D	5.80
144	GWALIOR	BHITARWAR	S-NPP	25.93280	78.10820	12:58:42	D	3.60
145	GWALIOR	BHITARWAR	S-NPP	25.93430	78.10430	12:58:42	D	6.00
146	GWALIOR	BHITARWAR	S-NPP	25.93520	78.10860	12:58:42	D	6.00
147	GWALIOR	BHITARWAR	S-NPP	25.93700	78.10720	12:58:42	D	7.20
148	GWALIOR	BHITARWAR	S-NPP	25.93700	78.11740	12:58:42	D	4.50
149	GWALIOR	BHITARWAR	S-NPP	25.93740	78.22140	12:58:42	D	3.70
150	GWALIOR	BHITARWAR	S-NPP	25.93790	78.12180	12:58:42	D	23.90
151	GWALIOR	BHITARWAR	S-NPP	25.93880	78.12620	12:58:42	D	23.90
152	GWALIOR	BHITARWAR	S-NPP	25.93960	78.12040	12:58:42	D	21.40
153	GWALIOR	BHITARWAR	S-NPP	25.94040	78.12480	12:58:42	D	21.40
154	GWALIOR	BHITARWAR	S-NPP	25.94050	78.04740	12:58:42	D	3.60
155	GWALIOR	BHITARWAR	S-NPP	25.94300	78.12510	12:58:42	D	5.40
156	GWALIOR	BHITARWAR	S-NPP	25.94590	78.16100	12:58:42	D	3.30
157	GWALIOR	BHITARWAR	S-NPP	25.94730	78.15970	12:58:42	D	3.10
158	GWALIOR	BHITARWAR	S-NPP	25.95940	78.16230	12:58:42	D	4.90
159	GWALIOR	BHITARWAR	S-NPP	25.96880	78.07750	12:58:42	D	19.40
160	GWALIOR	BHITARWAR	S-NPP	25.97150	78.09070	12:58:42	D	6.10
161	GWALIOR	BHITARWAR	S-NPP	25.97410	78.21330	12:58:42	D	3.60

162	GWALIOR	BHITARWAR	S-NPP	25.98040	78.04700	12:58:42	D	8.00
163	GWALIOR	BHITARWAR	S-NPP	25.98080	78.09310	12:58:42	D	5.90
164	GWALIOR	BHITARWAR	AQUA	25.80300	78.07600	13:17:00	D	13.70
165	GWALIOR	BHITARWAR	AQUA	25.83200	78.16500	13:17:00	D	19.20
166	GWALIOR	BHITARWAR	TERRA	25.90300	78.13500	11:31:56	D	35.10
167	GWALIOR	BHITARWAR	AQUA	25.92700	78.04000	13:17:00	D	14.60
168	GWALIOR	BHITARWAR	AQUA	25.96600	78.08400	13:17:00	D	12.70
169	GWALIOR	BHITARWAR	AQUA	25.96800	78.16000	13:17:00	D	22.10
170	GWALIOR	BHITARWAR	AQUA	25.97400	78.16300	13:17:00	D	16.50
171	GWALIOR	DABRA	S-NPP	25.83800	78.29400	12:58:42	D	5.00
172	GWALIOR	DABRA	S-NPP	25.83880	78.29830	12:58:42	D	5.70
173	GWALIOR	DABRA	S-NPP	25.84710	78.25120	12:58:42	D	2.10
174	GWALIOR	DABRA	S-NPP	25.85540	78.27270	12:58:42	D	5.80
175	GWALIOR	DABRA	S-NPP	25.85550	78.27170	12:58:42	D	3.00
176	GWALIOR	DABRA	S-NPP	25.86080	78.21250	12:58:42	D	6.60
177	GWALIOR	DABRA	S-NPP	25.86170	78.21690	12:58:42	D	6.60
178	GWALIOR	DABRA	S-NPP	25.86500	78.21150	12:58:42	D	6.60
179	GWALIOR	DABRA	S-NPP	25.86800	78.16060	12:58:42	D	2.60
180	GWALIOR	DABRA	S-NPP	25.87060	78.17370	12:58:42	D	26.60
181	GWALIOR	DABRA	S-NPP	25.87150	78.17810	12:58:42	D	26.60
182	GWALIOR	DABRA	S-NPP	25.90020	78.18930	12:58:42	D	5.60
183	GWALIOR	DABRA	S-NPP	25.90620	78.19710	12:58:42	D	11.90
184	GWALIOR	DABRA	S-NPP	25.90700	78.20140	12:58:42	D	11.00
185	GWALIOR	DABRA	S-NPP	25.91060	78.24140	12:58:42	D	2.00
186	GWALIOR	DABRA	S-NPP	25.91080	78.28630	12:58:42	D	5.50
187	GWALIOR	DABRA	S-NPP	25.91460	78.19500	12:58:42	D	5.90
188	GWALIOR	DABRA	S-NPP	25.91810	78.23510	12:58:42	D	5.70
189	GWALIOR	DABRA	S-NPP	25.91870	78.41350	12:58:42	D	4.20
190	GWALIOR	DABRA	S-NPP	25.92230	78.23410	12:58:42	D	5.70
191	GWALIOR	DABRA	S-NPP	25.92740	78.23740	12:58:42	D	3.50
192	GWALIOR	DABRA	S-NPP	25.93190	78.34830	12:58:42	D	5.50
193	GWALIOR	DABRA	S-NPP	25.93250	78.26310	12:58:42	D	3.30
194	GWALIOR	DABRA	S-NPP	25.94170	78.24290	12:58:42	D	5.20

195	GWALIOR	DABRA	S-NPP	25.95020	78.35280	12:58:42	D	4.80
196	GWALIOR	DABRA	S-NPP	25.95600	78.27100	12:58:42	D	3.50
197	GWALIOR	DABRA	S-NPP	25.97440	78.34250	12:58:42	D	5.10
198	GWALIOR	DABRA	AQUA	25.83800	78.25800	13:17:00	D	20.60
199	GWALIOR	DABRA	AQUA	25.84100	78.27600	13:17:00	D	12.80
200	GWALIOR	DABRA	AQUA	25.85100	78.33000	13:17:00	D	13.10
201	GWALIOR	DABRA	AQUA	25.86800	78.15700	13:17:00	D	32.50
202	GWALIOR	DABRA	AQUA	25.87100	78.17500	13:17:00	D	18.40
203	GWALIOR	GWALIOR	S-NPP	26.23650	78.47540	12:58:42	D	2.90
204	HARDA	TIMURNI	S-NPP	22.32280	77.30280	01:47:59	N	0.50
205	HOSHANGABAD	BABAI	S-NPP	22.67710	77.96570	12:58:42	D	1.20
206	HOSHANGABAD	BABAI	S-NPP	22.74230	77.86810	12:58:42	D	4.30
207	HOSHANGABAD	BABAI	S-NPP	22.74930	78.04020	12:58:42	D	3.20
208	HOSHANGABAD	BABAI	S-NPP	22.78120	77.79990	12:58:42	D	4.40
209	HOSHANGABAD	BABAI	S-NPP	22.79210	77.87770	12:58:42	D	3.50
210	HOSHANGABAD	BABAI	S-NPP	22.80900	77.98450	12:58:42	D	5.70
211	HOSHANGABAD	BABAI	S-NPP	22.81030	77.82540	12:58:42	D	3.40
212	HOSHANGABAD	BABAI	S-NPP	22.83160	77.84440	12:58:42	D	5.20
213	HOSHANGABAD	BABAI	S-NPP	22.83270	77.84160	12:58:42	D	8.30
214	HOSHANGABAD	BANKHERI	S-NPP	22.76540	78.51720	12:58:42	D	4.40
215	HOSHANGABAD	BANKHERI	S-NPP	22.83490	78.54460	12:58:42	D	3.90
216	HOSHANGABAD	BANKHERI	S-NPP	22.83580	78.54930	12:58:42	D	5.10
217	HOSHANGABAD	BANKHERI	S-NPP	22.87340	78.48900	12:58:42	D	18.60
218	HOSHANGABAD	BANKHERI	S-NPP	22.87430	78.49370	12:58:42	D	12.10
219	HOSHANGABAD	BANKHERI	S-NPP	22.90480	78.46230	12:58:42	D	6.00
220	HOSHANGABAD	BANKHERI	S-NPP	22.91980	78.46860	12:58:42	D	2.90
221	HOSHANGABAD	BANKHERI	AQUA	22.87100	78.49000	13:17:00	D	22.90
222	HOSHANGABAD	BANKHERI	AQUA	22.87300	78.48500	13:17:00	D	16.40
223	HOSHANGABAD	HOSHANGABAD	S-NPP	22.68620	77.79800	12:58:42	D	2.90
224	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69080	77.67680	12:58:42	D	5.90
225	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69190	77.68210	12:58:42	D	5.90
226	HOSHANGABAD	HOSHANGABAD	S-NPP	22.69360	77.67910	12:58:42	D	8.10
227	HOSHANGABAD	HOSHANGABAD	S-NPP	22.70880	77.75210	12:58:42	D	4.00

228	HOSHANGABAD	ITARSI	S-NPP	22.62110	77.71530	12:58:42	D	4.80
229	HOSHANGABAD	PIPARIYA	S-NPP	22.80310	78.33610	12:58:42	D	5.00
230	HOSHANGABAD	PIPARIYA	S-NPP	22.83020	78.36650	12:58:42	D	4.40
231	HOSHANGABAD	SOHAGPUR	S-NPP	22.74100	78.23500	12:58:42	D	2.50
232	HOSHANGABAD	SOHAGPUR	S-NPP	22.74940	78.25330	12:58:42	D	5.30
233	HOSHANGABAD	SOHAGPUR	S-NPP	22.79260	78.15910	12:58:42	D	2.20
234	HOSHANGABAD	SOHAGPUR	S-NPP	22.82890	78.13000	12:58:42	D	2.60
235	JABALPUR	JABALPUR	S-NPP	23.11820	79.91160	12:58:42	D	7.30
236	JABALPUR	JABALPUR	S-NPP	23.21330	80.05920	12:58:42	D	3.20
237	JABALPUR	JABALPUR	S-NPP	23.23120	79.86680	12:58:42	D	8.00
238	JABALPUR	JABALPUR	S-NPP	23.24680	79.92660	12:58:42	D	4.70
239	JABALPUR	JABALPUR	S-NPP	23.24930	80.00440	12:58:42	D	3.90
240	JABALPUR	JABALPUR	S-NPP	23.25400	79.96420	12:58:42	D	3.40
241	JABALPUR	JABALPUR	S-NPP	23.27660	79.90820	12:58:42	D	5.30
242	JABALPUR	JABALPUR	S-NPP	23.27800	79.91580	12:58:42	D	5.50
243	JABALPUR	JABALPUR	S-NPP	23.29740	79.97420	12:58:42	D	2.40
244	JABALPUR	JABALPUR	S-NPP	23.31070	79.91250	12:58:42	D	5.90
245	JABALPUR	JABALPUR	S-NPP	23.31400	79.90780	12:58:42	D	8.40
246	JABALPUR	JABALPUR	S-NPP	23.31870	79.91070	12:58:42	D	4.80
247	JABALPUR	JABALPUR	S-NPP	23.32130	80.03510	12:58:42	D	1.50
248	JABALPUR	JABALPUR	S-NPP	23.33090	79.93160	12:58:42	D	9.40
249	JABALPUR	JABALPUR	S-NPP	23.33490	79.93070	12:58:42	D	4.80
250	JABALPUR	JABALPUR	S-NPP	23.34470	79.91670	12:58:42	D	2.10
251	JABALPUR	JABALPUR	S-NPP	23.34580	79.91640	12:58:42	D	2.00
252	JABALPUR	JABALPUR	AQUA	23.21200	80.05700	13:17:00	D	11.90
253	JABALPUR	JABALPUR	AQUA	23.29000	79.97100	13:17:00	D	18.90
254	JABALPUR	JABALPUR	AQUA	23.32800	79.93100	13:17:00	D	11.70
255	JABALPUR	JABALPUR	AQUA	23.34700	79.90600	13:17:00	D	11.20
256	JABALPUR	KUNDAM	S-NPP	23.30940	80.29080	12:58:42	D	3.30
257	JABALPUR	MAJHOULI	S-NPP	23.40290	79.95480	12:58:42	D	9.00
258	JABALPUR	MAJHOULI	S-NPP	23.43470	79.94770	12:58:42	D	2.90
259	JABALPUR	MAJHOULI	S-NPP	23.43960	79.97400	12:58:42	D	3.80
260	JABALPUR	MAJHOULI	S-NPP	23.44940	80.02700	12:58:42	D	8.20

261	JABALPUR	MAJHOULI	S-NPP	23.45240	79.99830	12:58:42	D	3.50
262	JABALPUR	MAJHOULI	S-NPP	23.46550	80.03850	12:58:42	D	7.00
263	JABALPUR	MAJHOULI	S-NPP	23.46630	80.02910	12:58:42	D	7.70
264	JABALPUR	MAJHOULI	S-NPP	23.47100	80.00250	12:58:42	D	2.50
265	JABALPUR	MAJHOULI	S-NPP	23.47600	80.00720	12:58:42	D	11.00
266	JABALPUR	MAJHOULI	S-NPP	23.47900	80.00890	12:58:42	D	5.20
267	JABALPUR	MAJHOULI	S-NPP	23.48610	79.95170	12:58:42	D	3.50
268	JABALPUR	MAJHOULI	S-NPP	23.54350	80.12480	12:58:42	D	6.60
269	JABALPUR	MAJHOULI	S-NPP	23.54800	79.90680	12:58:42	D	7.10
270	JABALPUR	MAJHOULI	S-NPP	23.54850	79.88720	12:58:42	D	2.50
271	JABALPUR	MAJHOULI	S-NPP	23.55460	80.03050	12:58:42	D	4.50
272	JABALPUR	MAJHOULI	S-NPP	23.56310	79.98810	12:58:42	D	4.70
273	JABALPUR	MAJHOULI	S-NPP	23.56490	79.98650	12:58:42	D	5.70
274	JABALPUR	MAJHOULI	S-NPP	23.56710	79.99760	12:58:42	D	2.70
275	JABALPUR	MAJHOULI	AQUA	23.41800	79.98500	13:17:00	D	11.10
276	JABALPUR	MAJHOULI	AQUA	23.42100	80.00000	13:17:00	D	23.70
277	JABALPUR	MAJHOULI	AQUA	23.44400	79.98900	13:17:00	D	9.40
278	JABALPUR	MAJHOULI	AQUA	23.51500	79.94200	13:17:00	D	12.00
279	JABALPUR	PATAN	S-NPP	23.19280	79.83950	12:58:42	D	1.70
280	JABALPUR	PATAN	S-NPP	23.20750	79.82830	12:58:42	D	1.70
281	JABALPUR	PATAN	S-NPP	23.26030	79.75640	12:58:42	D	8.60
282	JABALPUR	PATAN	S-NPP	23.27030	79.74220	12:58:42	D	1.70
283	JABALPUR	PATAN	S-NPP	23.27390	79.76150	12:58:42	D	3.30
284	JABALPUR	PATAN	S-NPP	23.29220	79.76950	12:58:42	D	4.20
285	JABALPUR	PATAN	S-NPP	23.29290	79.77330	12:58:42	D	8.40
286	JABALPUR	PATAN	S-NPP	23.31270	79.85670	12:58:42	D	1.50
287	JABALPUR	PATAN	S-NPP	23.31570	79.76020	12:58:42	D	12.70
288	JABALPUR	PATAN	S-NPP	23.31570	79.76030	12:58:42	D	11.50
289	JABALPUR	PATAN	S-NPP	23.33300	79.82840	12:58:42	D	2.20
290	JABALPUR	PATAN	S-NPP	23.36250	79.78600	12:58:42	D	5.80
291	JABALPUR	PATAN	S-NPP	23.36330	79.78980	12:58:42	D	5.80
292	JABALPUR	PATAN	S-NPP	23.36870	79.84030	12:58:42	D	3.50
293	JABALPUR	PATAN	AQUA	23.24300	79.83800	13:17:00	D	15.30

294	JABALPUR	PATAN	AQUA	23.27000	79.80000	13:17:00	D	9.20
295	JABALPUR	PATAN	AQUA	23.36900	79.83800	13:17:00	D	29.30
296	JABALPUR	PATAN	AQUA	23.38900	79.81700	13:17:00	D	8.30
297	JABALPUR	SAHPURA	S-NPP	23.16180	79.69730	12:58:42	D	2.70
298	JABALPUR	SAHPURA	S-NPP	23.17280	79.75570	12:58:42	D	3.00
299	JABALPUR	SAHPURA	S-NPP	23.17510	79.67800	12:58:42	D	3.20
300	JABALPUR	SAHPURA	S-NPP	23.17650	79.77500	12:58:42	D	7.50
301	JABALPUR	SAHPURA	S-NPP	23.17980	79.72580	12:58:42	D	4.90
302	JABALPUR	SAHPURA	S-NPP	23.18090	79.75390	12:58:42	D	3.10
303	JABALPUR	SAHPURA	S-NPP	23.18350	79.74520	12:58:42	D	7.60
304	JABALPUR	SAHPURA	S-NPP	23.19340	79.58380	12:58:42	D	7.10
305	JABALPUR	SAHPURA	AQUA	23.16800	79.68100	13:17:00	D	16.50
306	JABALPUR	SAHPURA	AQUA	23.17600	79.66300	13:17:00	D	23.90
307	JABALPUR	SAHPURA	AQUA	23.17900	79.74500	13:17:00	D	20.50
308	JABALPUR	SAHPURA	AQUA	23.18200	79.76000	13:17:00	D	11.20
309	JABALPUR	SIHORA	S-NPP	23.36560	79.99800	12:58:42	D	3.10
310	JABALPUR	SIHORA	S-NPP	23.38590	80.09520	12:58:42	D	4.50
311	JABALPUR	SIHORA	S-NPP	23.41720	80.07460	12:58:42	D	3.80
312	JABALPUR	SIHORA	S-NPP	23.42370	80.13060	12:58:42	D	7.70
313	JABALPUR	SIHORA	S-NPP	23.42860	80.13520	12:58:42	D	11.40
314	JABALPUR	SIHORA	S-NPP	23.43120	80.21420	12:58:42	D	2.70
315	JABALPUR	SIHORA	S-NPP	23.43450	80.25310	12:58:42	D	3.30
316	JABALPUR	SIHORA	S-NPP	23.44310	80.23430	12:58:42	D	10.10
317	JABALPUR	SIHORA	S-NPP	23.44700	80.23340	12:58:42	D	10.10
318	JABALPUR	SIHORA	S-NPP	23.47870	80.06440	12:58:42	D	4.80
319	JABALPUR	SIHORA	AQUA	23.37600	80.19400	13:17:00	D	13.00
320	JABALPUR	SIHORA	AQUA	23.41200	80.08000	13:17:00	D	6.40
321	JABALPUR	SIHORA	AQUA	23.43800	80.16600	13:17:00	D	10.40
322	KATNI	BAHURIBAND	S-NPP	23.57620	80.01430	12:58:42	D	9.50
323	KATNI	BAHURIBAND	S-NPP	23.61980	80.01490	12:58:42	D	4.20
324	KATNI	BAHURIBAND	S-NPP	23.65120	79.98520	12:58:42	D	4.50
325	KATNI	BAHURIBAND	S-NPP	23.68620	79.98670	12:58:42	D	2.80
326	KATNI	BAHURIBAND	S-NPP	23.68780	79.98310	12:58:42	D	4.00

327	KATNI	BAHURIBAND	S-NPP	23.68890	79.98860	12:58:42	D	4.00
328	KATNI	BAHURIBAND	S-NPP	23.68910	79.98030	12:58:42	D	2.80
329	KATNI	BAHURIBAND	AQUA	23.61800	80.07000	13:17:00	D	8.80
330	KATNI	BARBARA	S-NPP	23.79610	80.50350	12:58:42	D	2.20
331	KATNI	BARHI	S-NPP	23.70820	80.80300	12:58:42	D	2.60
332	KATNI	DHIMERKHEDA	S-NPP	23.37910	80.32350	12:58:42	D	3.60
333	KATNI	DHIMERKHEDA	S-NPP	23.47170	80.27860	12:58:42	D	4.30
334	KATNI	DHIMERKHEDA	S-NPP	23.60320	80.31470	12:58:42	D	4.40
335	MANDLA	BACHHIYA	S-NPP	22.42740	80.73240	12:58:42	D	3.30
336	MANDLA	NAINPUR	S-NPP	22.40700	80.18080	12:58:42	D	2.50
337	MANDLA	NAINPUR	S-NPP	22.42520	80.12160	12:58:42	D	3.80
338	MANDLA	NAINPUR	S-NPP	22.43710	80.16230	12:58:42	D	2.10
339	MANDLA	NAINPUR	S-NPP	22.45360	80.13920	12:58:42	D	4.50
340	MANDLA	NAINPUR	S-NPP	22.45530	80.05980	12:58:42	D	4.70
341	MANDLA	NAINPUR	S-NPP	22.45610	80.06360	12:58:42	D	4.70
342	MANDLA	NAINPUR	S-NPP	22.47520	80.16590	12:58:42	D	2.60
343	MANDLA	NAINPUR	S-NPP	22.51790	80.03430	12:58:42	D	2.30
344	NARSHIMAPURA	GADARWARA	S-NPP	22.76720	78.72970	12:58:42	D	3.20
345	NARSHIMAPURA	GADARWARA	S-NPP	22.83080	78.70790	12:58:42	D	2.80
346	NARSHIMAPURA	GADARWARA	S-NPP	22.83480	78.65970	12:58:42	D	3.10
347	NARSHIMAPURA	GADARWARA	S-NPP	22.86100	78.67740	12:58:42	D	4.40
348	NARSHIMAPURA	GADARWARA	S-NPP	22.86180	78.95570	12:58:42	D	3.80
349	NARSHIMAPURA	GADARWARA	S-NPP	22.86610	78.65720	12:58:42	D	2.90
350	NARSHIMAPURA	GADARWARA	S-NPP	22.86870	78.64710	12:58:42	D	3.30
351	NARSHIMAPURA	GADARWARA	S-NPP	22.87820	78.62590	12:58:42	D	4.20
352	NARSHIMAPURA	GADARWARA	S-NPP	22.87840	78.62740	12:58:42	D	3.20
353	NARSHIMAPURA	GADARWARA	S-NPP	22.89920	78.70780	12:58:42	D	3.60
354	NARSHIMAPURA	GADARWARA	S-NPP	22.89920	78.71110	12:58:42	D	3.20
355	NARSHIMAPURA	GADARWARA	S-NPP	22.98030	78.57190	12:58:42	D	2.30
356	NARSHIMAPURA	GADARWARA	S-NPP	23.02840	78.97770	12:58:42	D	2.10
357	NARSHIMAPURA	GOTECAON	S-NPP	23.03680	79.52250	12:58:42	D	2.00
358	NARSHIMAPURA	KARELI	S-NPP	22.87960	79.13560	12:58:42	D	4.50
359	NARSHIMAPURA	KARELI	S-NPP	22.88050	79.13990	12:58:42	D	3.80



360	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.77450	79.33280	12:58:42	D	2.40
361	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.96930	79.26050	01:47:59	N	0.60
362	NARSHIMAPURA	TENDUKHERA	S-NPP	23.12840	78.79620	12:58:42	D	5.10
363	PANNA	PANNA	S-NPP	24.80440	80.45760	12:58:42	D	3.60
364	PANNA	PAWAI	S-NPP	24.28460	80.24240	12:58:42	D	6.30
365	RAISEN	BARELI	S-NPP	22.87510	78.10100	12:58:42	D	3.30
366	RAISEN	BARELI	S-NPP	22.87900	78.23340	01:47:59	N	0.30
367	RAISEN	BARELI	S-NPP	22.98240	78.11410	12:58:42	D	5.20
368	RAISEN	BARELI	S-NPP	23.02230	78.29910	12:58:42	D	3.30
369	RAISEN	BARELI	S-NPP	23.02530	78.30030	12:58:42	D	4.80
370	RAISEN	GOHARGANJ	S-NPP	22.99670	77.64780	12:58:42	D	5.90
371	RAISEN	GOHARGANJ	S-NPP	22.99840	77.64440	12:58:42	D	4.50
372	RAISEN	GOHARGANJ	S-NPP	23.00510	77.56050	12:58:42	D	4.20
373	RAISEN	GOHARGANJ	S-NPP	23.08380	77.46960	12:58:42	D	5.30
374	RAISEN	UDAIPURA	S-NPP	23.12750	78.79180	12:58:42	D	3.80
375	RAISEN	UDAIPURA	S-NPP	23.12950	78.79260	12:58:42	D	5.30
376	REWA	HUZUR	S-NPP	24.41390	81.35190	12:58:42	D	3.30
377	REWA	HUZUR	S-NPP	24.45270	81.23390	12:58:42	D	4.20
378	REWA	SIRMAUR	S-NPP	24.70280	81.32920	12:58:42	D	2.20
379	REWA	SIRMAUR	S-NPP	24.70730	81.27050	12:58:42	D	3.80
380	REWA	TEONTHAR	AQUA	24.98800	81.48400	13:17:00	D	6.40
381	SATNA	AMARPATAN	S-NPP	24.44950	81.23280	12:58:42	D	3.00
382	SATNA	AMARPATAN	S-NPP	24.46660	81.05870	12:58:42	D	3.40
383	SATNA	MAIHAR	S-NPP	24.10770	80.86150	12:58:42	D	2.90
384	SATNA	MAIHAR	S-NPP	24.24920	80.89030	12:58:42	D	3.80
385	SATNA	MAIHAR	S-NPP	24.37530	80.88020	12:58:42	D	7.30
386	SATNA	MAIHAR	S-NPP	24.39620	80.86260	12:58:42	D	2.20
387	SATNA	MAIHAR	S-NPP	24.40000	80.86180	12:58:42	D	2.70
388	SATNA	NAGOD	S-NPP	24.53430	80.47400	12:58:42	D	1.90
389	SATNA	NAGOD	S-NPP	24.60700	80.73970	12:58:42	D	1.20
390	SATNA	NAGOD	S-NPP	24.61280	80.70760	12:58:42	D	3.20
391	SATNA	NAGOD	AQUA	24.61100	80.70500	13:17:00	D	11.00
392	SATNA	RAGURAJNAGAR	S-NPP	24.73470	80.82200	12:58:42	D	6.70

393	SATNA	RAGURAJNAGAR	AQUA	24.70500	80.89200	13:17:00	D	8.80
394	SATNA	RAMNAGAR	S-NPP	24.20260	81.02380	12:58:42	D	7.10
395	SATNA	RAMNAGAR	S-NPP	24.20360	81.02160	12:58:42	D	6.70
396	SATNA	RAMPURBAGHLEAN	S-NPP	24.40610	80.94460	12:58:42	D	4.70
397	SATNA	RAMPURBAGHLEAN	S-NPP	24.40690	80.94150	12:58:42	D	4.10
398	SATNA	RAMPURBAGHLEAN	S-NPP	24.48350	81.02530	12:58:42	D	3.90
399	SATNA	RAMPURBAGHLEAN	S-NPP	24.51560	81.03320	12:58:42	D	3.00
400	SATNA	RAMPURBAGHLEAN	S-NPP	24.51680	81.08270	12:58:42	D	1.60
401	SATNA	RAMPURBAGHLEAN	S-NPP	24.54830	81.05790	12:58:42	D	2.70
402	SATNA	RAMPURBAGHLEAN	S-NPP	24.57210	81.14650	12:58:42	D	2.80
403	SATNA	RAMPURBAGHLEAN	S-NPP	24.58130	80.98600	12:58:42	D	7.60
404	SATNA	RAMPURBAGHLEAN	S-NPP	24.64140	81.02290	12:58:42	D	3.50
405	SATNA	RAMPURBAGHLEAN	S-NPP	24.64380	81.02450	12:58:42	D	3.50
406	SATNA	RAMPURBAGHLEAN	S-NPP	24.66910	81.14240	12:58:42	D	6.20
407	SATNA	RAMPURBAGHLEAN	S-NPP	24.71050	80.97030	12:58:42	D	6.30
408	SATNA	RAMPURBAGHLEAN	S-NPP	24.76320	81.04110	12:58:42	D	2.90
409	SATNA	RAMPURBAGHLEAN	AQUA	24.51200	81.02900	13:17:00	D	12.40
410	SATNA	RAMPURBAGHLEAN	AQUA	24.54600	80.92400	13:17:00	D	7.90
411	SATNA	RAMPURBAGHLEAN	AQUA	24.62900	80.99300	13:17:00	D	6.80
412	SATNA	RAMPURBAGHLEAN	AQUA	24.63100	80.99800	13:17:00	D	13.60
413	SATNA	UCHAHAR	S-NPP	24.39420	80.85570	12:58:42	D	4.00
414	SATNA	UCHAHAR	S-NPP	24.39440	80.85280	12:58:42	D	5.20
415	SATNA	UCHAHAR	S-NPP	24.47230	80.76950	12:58:42	D	2.50
416	SATNA	UCHAHAR	AQUA	24.41500	80.82500	13:17:00	D	8.60
417	SEHORE	BUDHNI	S-NPP	22.71820	77.56260	12:58:42	D	3.10
418	SEHORE	BUDHNI	S-NPP	22.83920	77.99320	12:58:42	D	3.10
419	SEHORE	NASRULLAHGANJ	S-NPP	22.71760	77.41590	12:58:42	D	8.30
420	SEONI	GHANSAUR	S-NPP	22.40790	79.76290	12:58:42	D	6.20
421	SEONI	GHANSAUR	S-NPP	22.41940	79.80160	12:58:42	D	3.20
422	SEONI	GHANSAUR	S-NPP	22.42460	79.78410	12:58:42	D	5.70
423	SEONI	GHANSAUR	S-NPP	22.43830	79.68620	12:58:42	D	2.60
424	SEONI	GHANSAUR	S-NPP	22.46570	79.78380	12:58:42	D	2.70
425	SEONI	GHANSAUR	S-NPP	22.54840	79.83970	12:58:42	D	3.90

426	SEONI	GHANSAUR	S-NPP	22.56350	79.85250	12:58:42	D	2.40
427	SEONI	GHANSAUR	S-NPP	22.65950	79.96530	12:58:42	D	2.30
428	SEONI	GHANSAUR	AQUA	22.54800	79.83900	13:17:00	D	24.40
429	SEONI	KEWLARI	S-NPP	22.30220	79.82290	12:58:42	D	8.00
430	SEONI	KEWLARI	S-NPP	22.30640	79.86700	12:58:42	D	3.40
431	SEONI	KEWLARI	S-NPP	22.30710	79.87090	12:58:42	D	3.40
432	SEONI	KEWLARI	S-NPP	22.34320	79.71520	12:58:42	D	6.20
433	SEONI	KEWLARI	S-NPP	22.35210	79.93020	12:58:42	D	2.60
434	SEONI	KEWLARI	S-NPP	22.36800	79.86590	12:58:42	D	4.00
435	SEONI	KEWLARI	S-NPP	22.37920	79.96850	12:58:42	D	3.70
436	SEONI	KEWLARI	S-NPP	22.38920	79.99850	12:58:42	D	1.40
437	SEONI	KEWLARI	S-NPP	22.39320	79.99760	12:58:42	D	2.60
438	SEONI	KEWLARI	S-NPP	22.40240	79.89100	12:58:42	D	3.20
439	SEONI	KEWLARI	S-NPP	22.40320	79.89490	12:58:42	D	10.20
440	SEONI	KEWLARI	S-NPP	22.41380	79.97330	12:58:42	D	1.70
441	SEONI	KEWLARI	S-NPP	22.41770	80.06010	12:58:42	D	5.60
442	SEONI	KEWLARI	S-NPP	22.41850	80.06390	12:58:42	D	5.60
443	SEONI	KEWLARI	S-NPP	22.47170	80.01270	12:58:42	D	2.20
444	SEONI	KEWLARI	S-NPP	22.50880	80.00850	12:58:42	D	2.20
445	SEONI	KEWLARI	AQUA	22.37500	79.96800	13:17:00	D	12.40
446	SEONI	LAKHNADOU	S-NPP	22.40960	79.65880	12:58:42	D	19.10
447	SEONI	LAKHNADOU	S-NPP	22.41030	79.66280	12:58:42	D	12.80
448	SEONI	LAKHNADOU	S-NPP	22.42040	79.64790	12:58:42	D	2.30
449	SEONI	LAKHNADOU	S-NPP	22.42230	79.63490	12:58:42	D	1.60
450	SEONI	LAKHNADOU	S-NPP	22.42230	79.64790	12:58:42	D	2.70
451	SEONI	LAKHNADOU	S-NPP	22.43540	79.64910	12:58:42	D	1.60
452	SEONI	LAKHNADOU	S-NPP	22.47860	79.31360	12:58:42	D	1.20
453	SEONI	LAKHNADOU	S-NPP	22.63110	79.72470	12:58:42	D	1.70
454	SEONI	LAKHNADOU	AQUA	22.52200	79.55800	13:17:00	D	12.60
455	SEONI	LAKHNADOU	AQUA	22.53000	79.55100	13:17:00	D	20.20
456	SEONI	SEONI	S-NPP	22.09610	79.42800	12:58:42	D	2.40
457	SEONI	SEONI	S-NPP	22.10300	79.39570	12:58:42	D	3.00
458	SEONI	SEONI	S-NPP	22.10840	79.64850	12:58:42	D	3.70

459	SEONI	SEONI	S-NPP	22.21190	79.48550	12:58:42	D	2.30
460	SEONI	SEONI	S-NPP	22.22190	79.58220	12:58:42	D	1.30
461	SEONI	SEONI	S-NPP	22.25790	79.79140	12:58:42	D	2.40
462	SEONI	SEONI	S-NPP	22.27290	79.60030	12:58:42	D	4.40
463	SEONI	SEONI	S-NPP	22.30670	79.75600	12:58:42	D	4.60
464	SEONI	SEONI	S-NPP	22.30740	79.75990	12:58:42	D	13.50
465	SEONI	SEONI	S-NPP	22.31080	79.75510	12:58:42	D	4.60
466	SEONI	SEONI	S-NPP	22.31340	79.79170	12:58:42	D	5.60
467	SEONI	SEONI	S-NPP	22.33610	79.75360	12:58:42	D	3.50
468	SEONI	SEONI	S-NPP	22.33780	79.75350	12:58:42	D	4.90
469	SEONI	SEONI	AQUA	22.30100	79.75300	13:17:00	D	14.30
470	SHEOPUR	SHEOPUR	S-NPP	25.45240	76.61750	12:58:42	D	4.00
471	SHEOPUR	SHEOPUR	S-NPP	25.45710	76.61630	12:58:42	D	7.50
472	SHEOPUR	SHEOPUR	S-NPP	25.46060	76.60960	12:58:42	D	3.00
473	SHEOPUR	SHEOPUR	S-NPP	25.46290	76.62060	12:58:42	D	7.50
474	SHEOPUR	SHEOPUR	S-NPP	25.46530	76.60840	12:58:42	D	5.30
475	SHEOPUR	SHEOPUR	S-NPP	25.46760	76.61940	12:58:42	D	5.60
476	SHEOPUR	SHEOPUR	S-NPP	25.58600	76.68410	12:58:42	D	17.00
477	SHEOPUR	SHEOPUR	S-NPP	25.60240	76.55080	12:58:42	D	9.00
478	SHEOPUR	SHEOPUR	S-NPP	25.60250	76.55340	12:58:42	D	8.50
479	SHEOPUR	SHEOPUR	S-NPP	25.64330	76.55770	12:58:42	D	13.60
480	SHEOPUR	SHEOPUR	S-NPP	25.64680	76.55110	12:58:42	D	13.60
481	SHEOPUR	SHEOPUR	S-NPP	25.67110	76.71060	12:58:42	D	3.80
482	SHEOPUR	SHEOPUR	S-NPP	25.69450	76.59080	12:58:42	D	4.00
483	SHEOPUR	SHEOPUR	S-NPP	25.70500	76.54770	12:58:42	D	5.40
484	SHEOPUR	SHEOPUR	S-NPP	25.77820	76.60830	12:58:42	D	8.60
485	SHEOPUR	SHEOPUR	S-NPP	25.83230	76.65690	12:58:42	D	2.80
486	SHEOPUR	SHEOPUR	AQUA	25.46400	76.61100	13:17:00	D	27.10
487	SHEOPUR	SHEOPUR	AQUA	25.63400	76.53200	13:17:00	D	19.80
488	SHEOPUR	SHEOPUR	AQUA	25.63900	76.55500	13:17:00	D	52.60
489	SHEOPUR	SHEOPUR	AQUA	25.80600	76.60100	13:17:00	D	34.20
490	SHEOPUR	SHEOPUR	AQUA	25.82000	76.67100	13:17:00	D	61.60
491	SHEOPUR	SHEOPUR	AQUA	25.83300	76.66700	13:17:00	D	29.30

492	SHIVPURI	KOLARAS	S-NPP	25.22990	77.68860	12:58:42	D	2.50
493	SHIVPURI	NARWAR	S-NPP	25.58420	78.11450	12:58:42	D	4.90
494	SHIVPURI	NARWAR	S-NPP	25.60500	78.05120	12:58:42	D	2.30
495	SHIVPURI	NARWAR	S-NPP	25.61380	78.26380	12:58:42	D	2.90
496	SHIVPURI	NARWAR	S-NPP	25.63020	78.08700	12:58:42	D	3.20
497	SHIVPURI	NARWAR	S-NPP	25.67980	78.11220	12:58:42	D	4.00
498	SHIVPURI	NARWAR	S-NPP	25.68830	78.11010	12:58:42	D	9.20
499	SHIVPURI	NARWAR	S-NPP	25.69200	78.30600	12:58:42	D	6.00
500	SHIVPURI	NARWAR	S-NPP	25.69290	78.31030	12:58:42	D	6.00
501	SHIVPURI	NARWAR	S-NPP	25.70700	78.11490	12:58:42	D	5.30
502	SHIVPURI	NARWAR	S-NPP	25.71670	77.95450	12:58:42	D	3.90
503	SINGRAULI	DEOSAR	S-NPP	24.24370	82.43080	12:58:42	D	5.20
504	UMARIA	BANDHOGARH	S-NPP	23.71880	80.69380	12:58:42	D	4.80
505	UMARIA	BANDHOGARH	AQUA	23.58600	80.66800	13:17:00	D	10.50
506	VIDESHA	BASODA	S-NPP	23.73460	78.00960	12:58:42	D	5.30
507	VIDESHA	VIDESHA	S-NPP	23.51130	77.77950	12:58:42	D	2.90

**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>)

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