

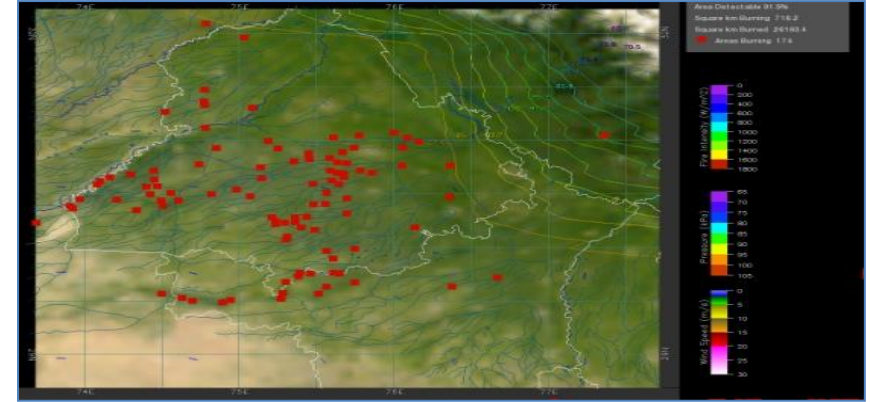
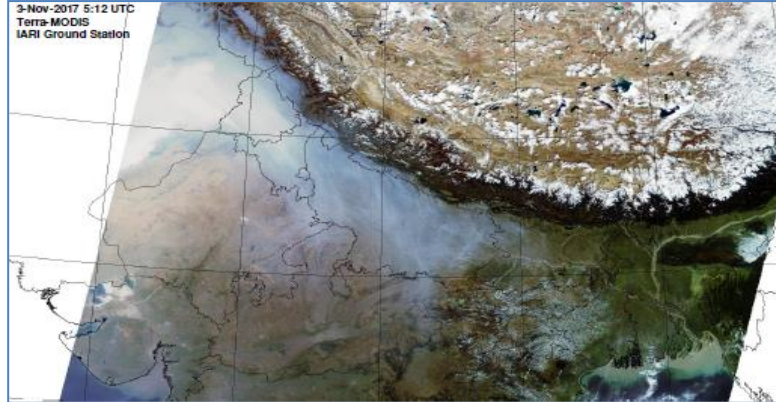


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

Bulletin
No. 47

Events Date:
31-Oct-2024

Issued on:
31-Oct-2024



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

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

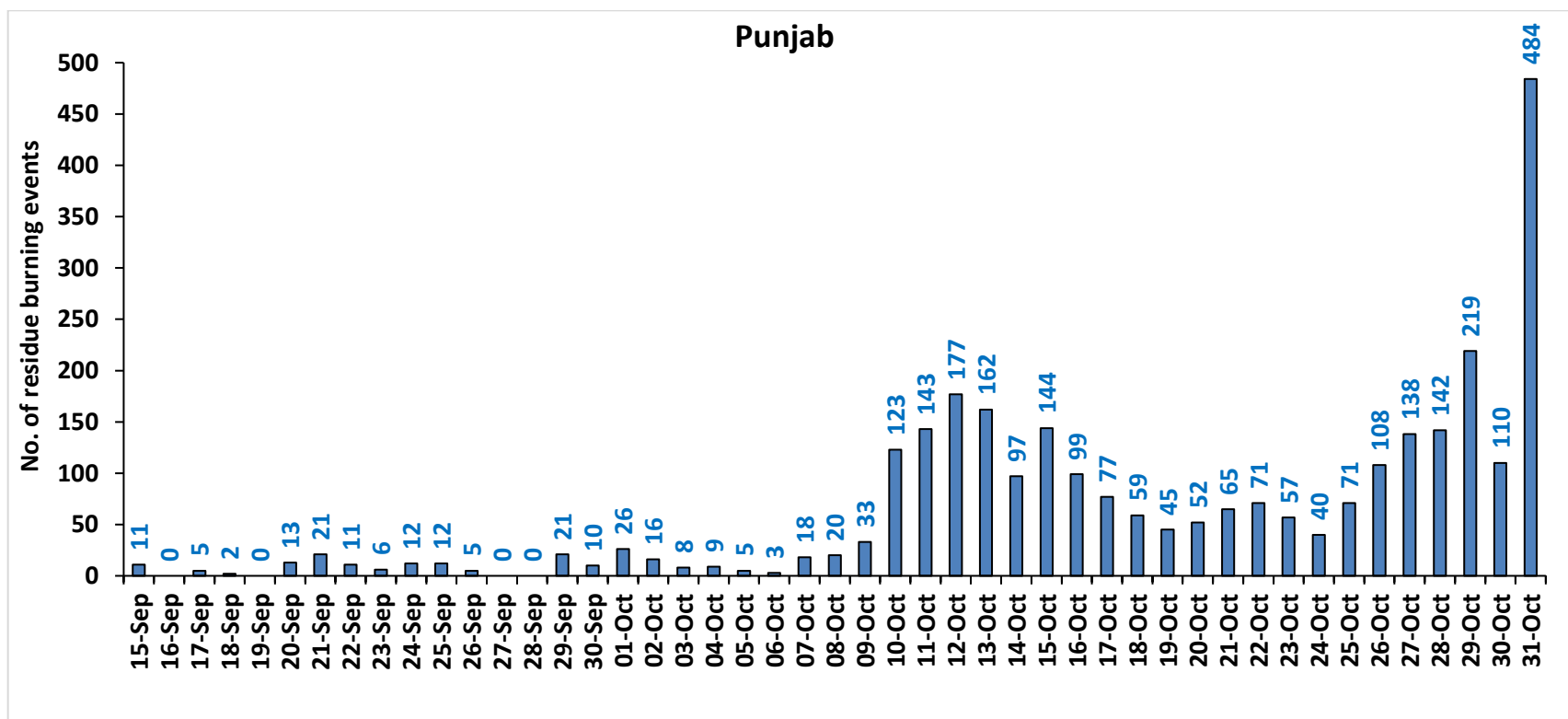
<https://creams.iari.res.in>

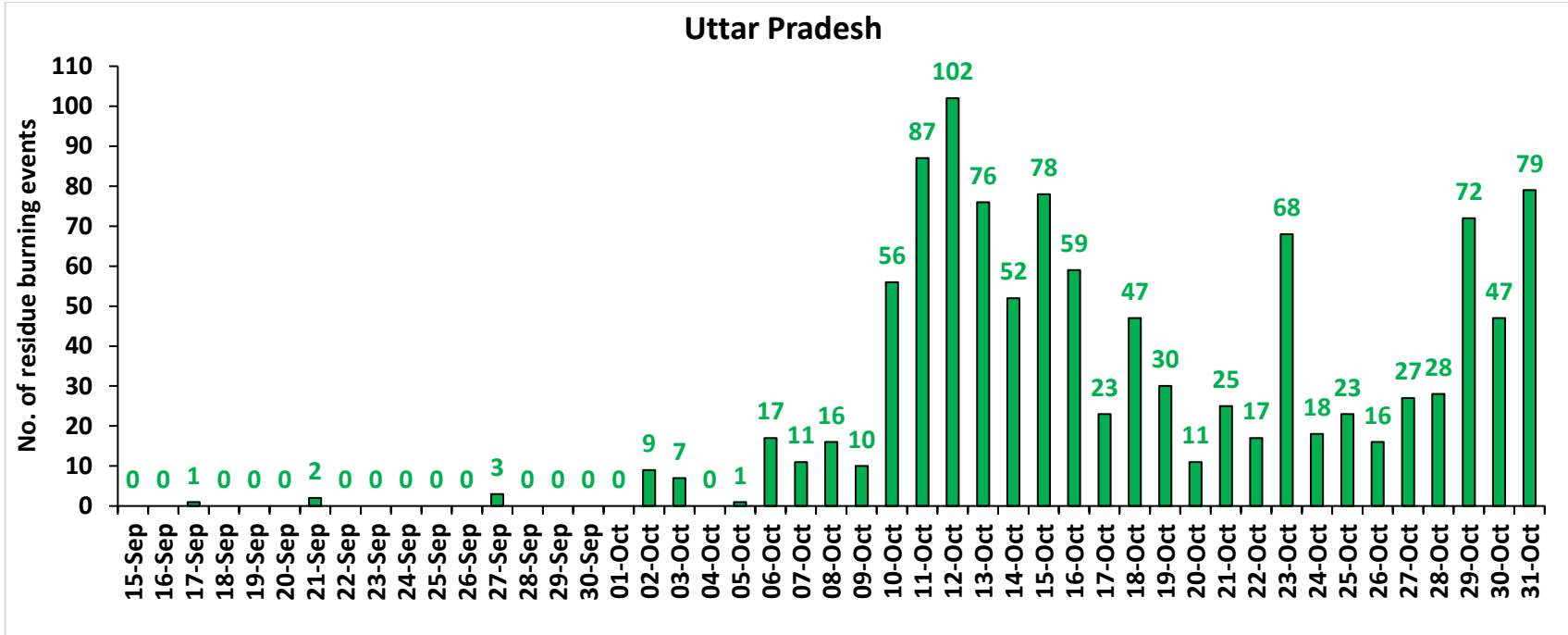
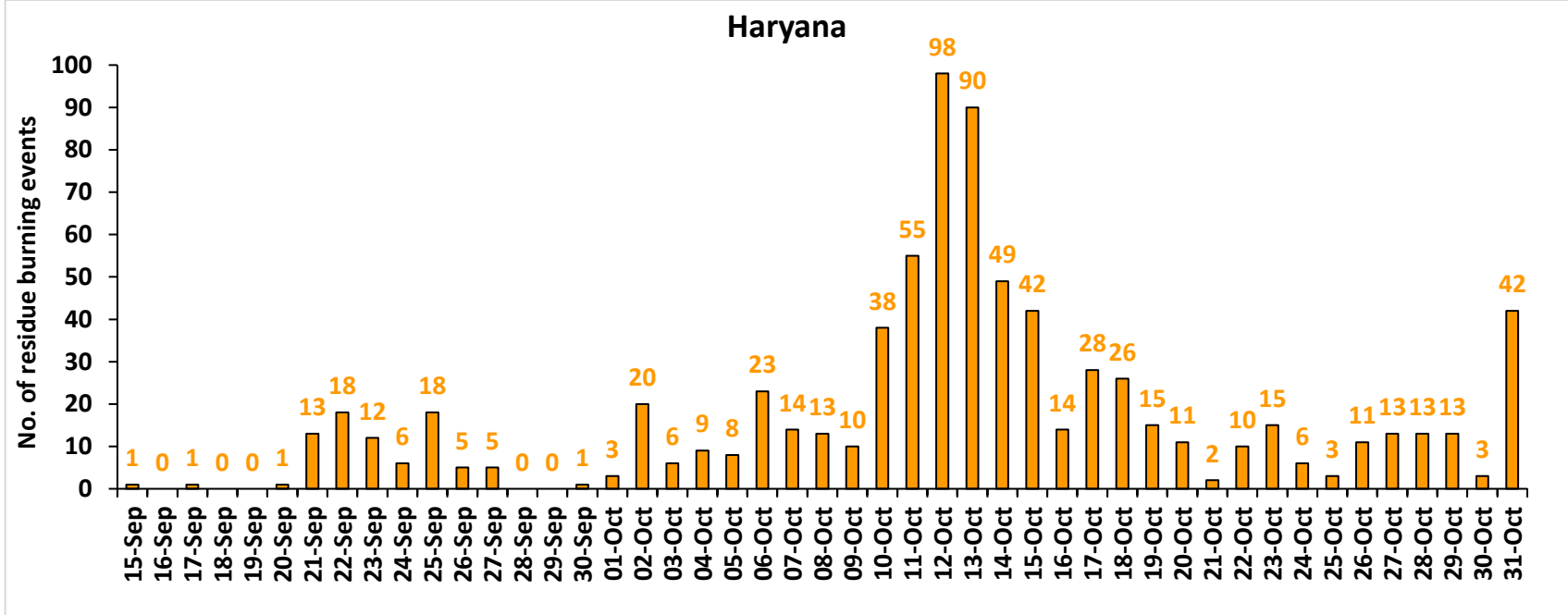


Highlights for 31-Oct-2024

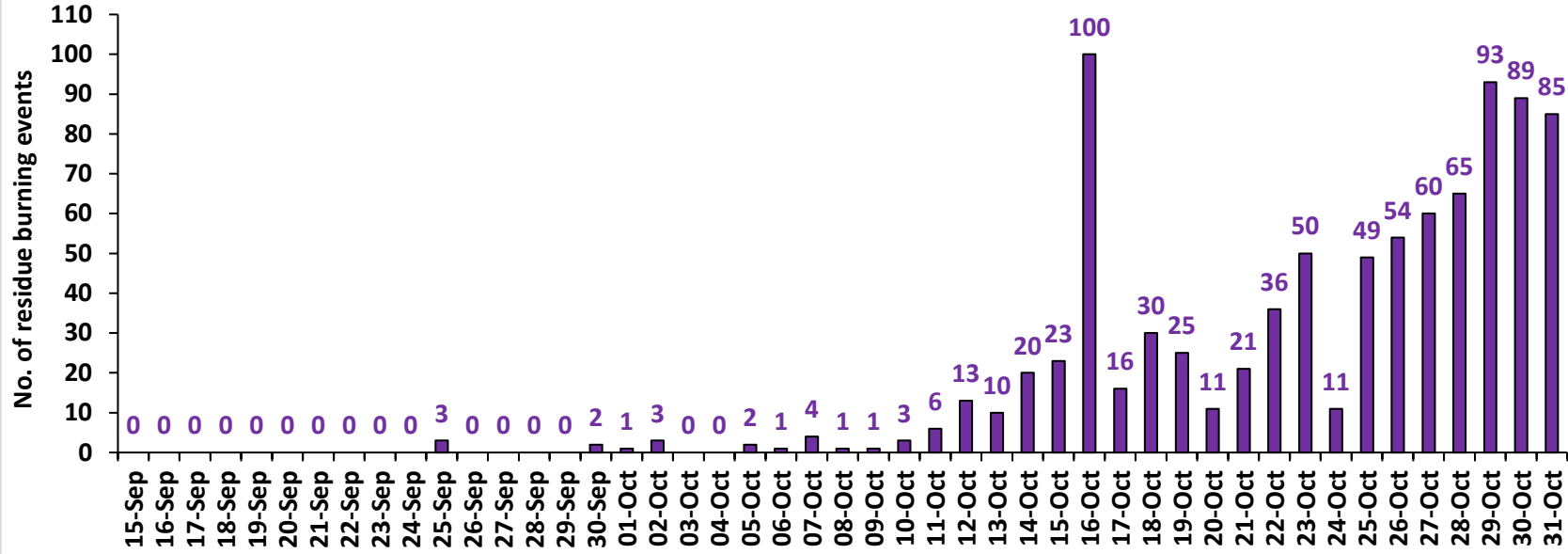
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **835** residue burning events in the six study States on **31-Oct-2024**.
- The state wise events detected on **31-Oct-2024** were **484** in Punjab, **42** in Haryana, **79** in UP, **00** in Delhi, **85** in Rajasthan and **145** in MP.
- Total **7532** burning events were detected in the six states between **15-Sept-2024** and **31-Oct-2024**, which are distributed as **2950**, **784**, **1118**, **12**, **888** and **1780** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

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

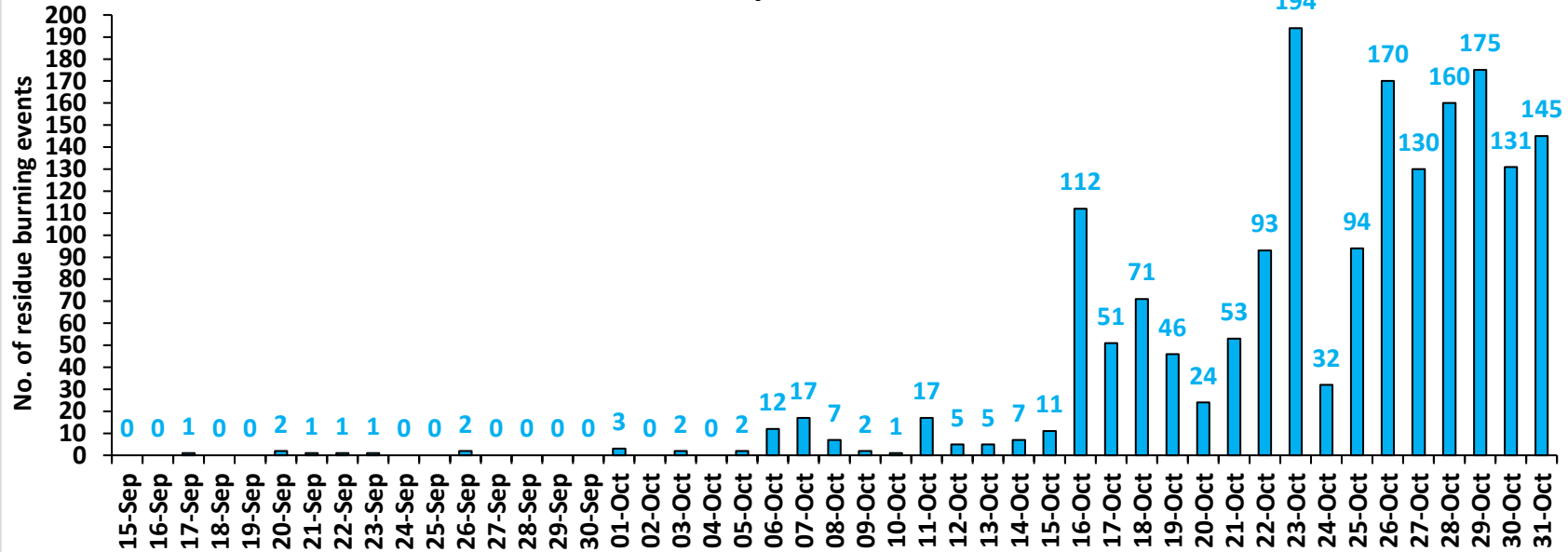


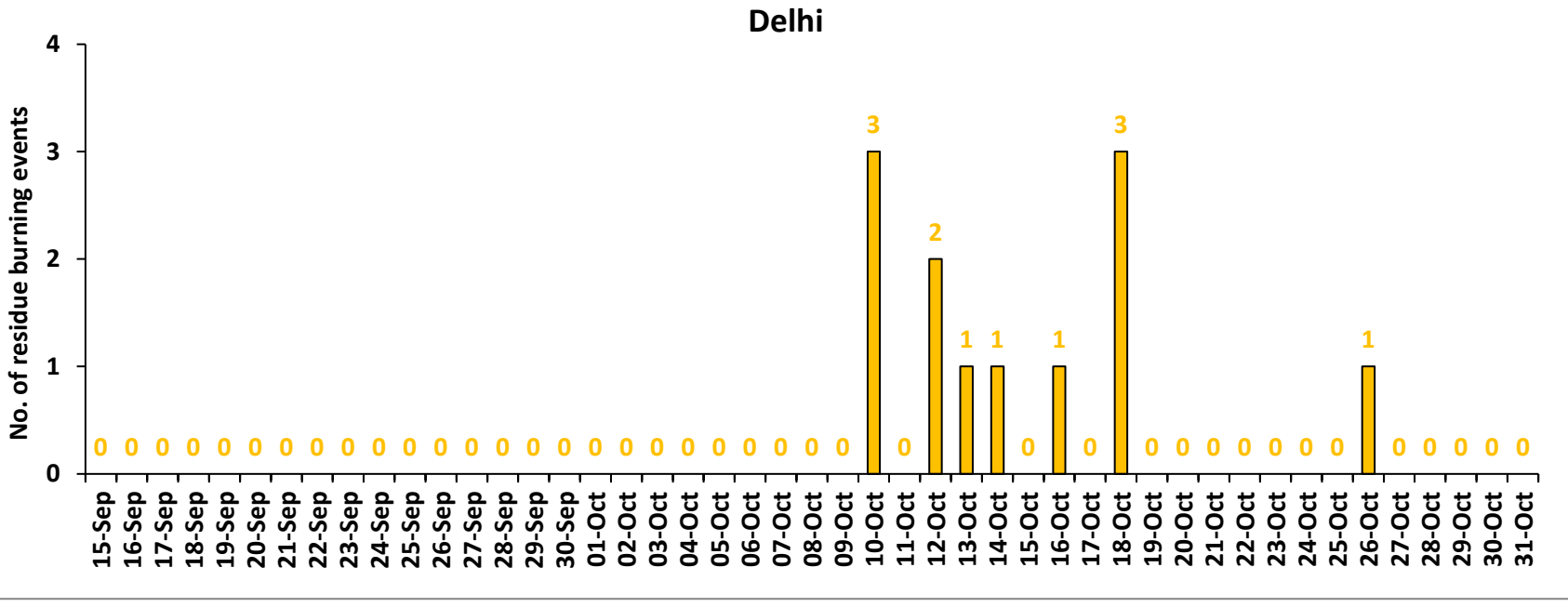


Rajasthan

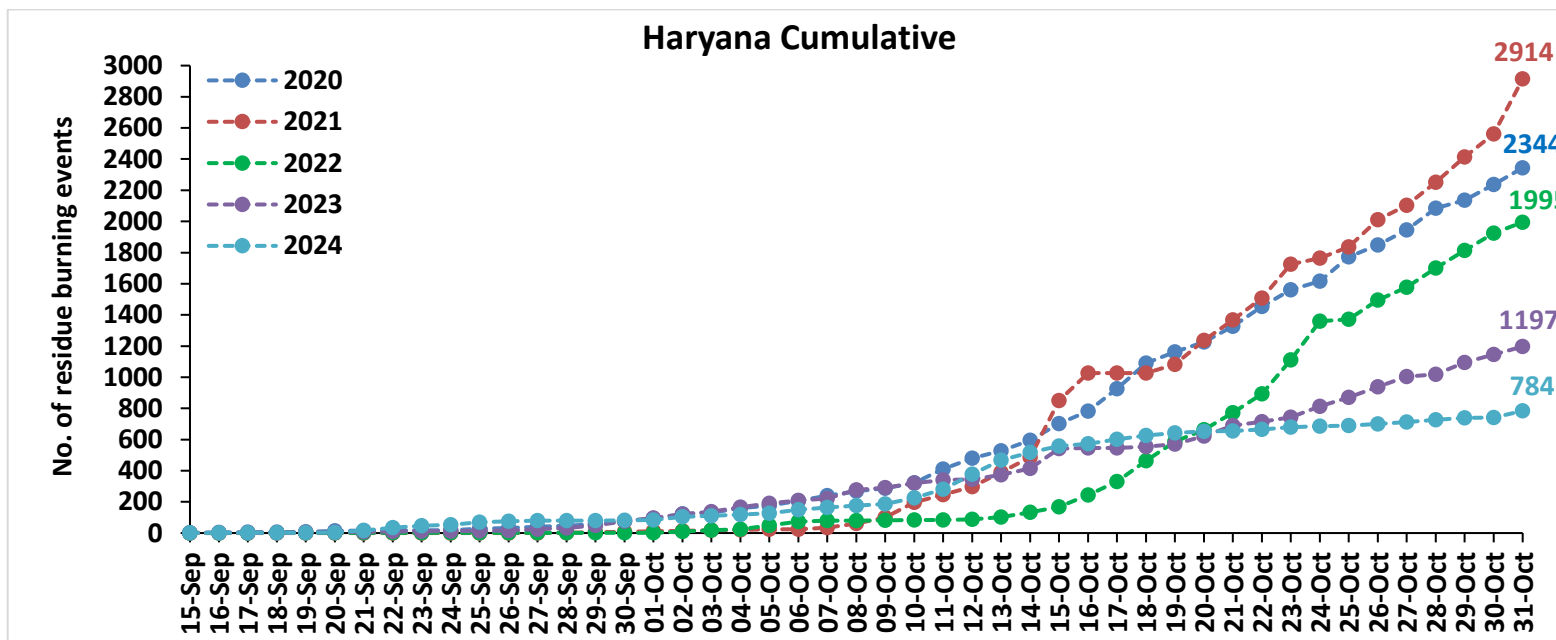
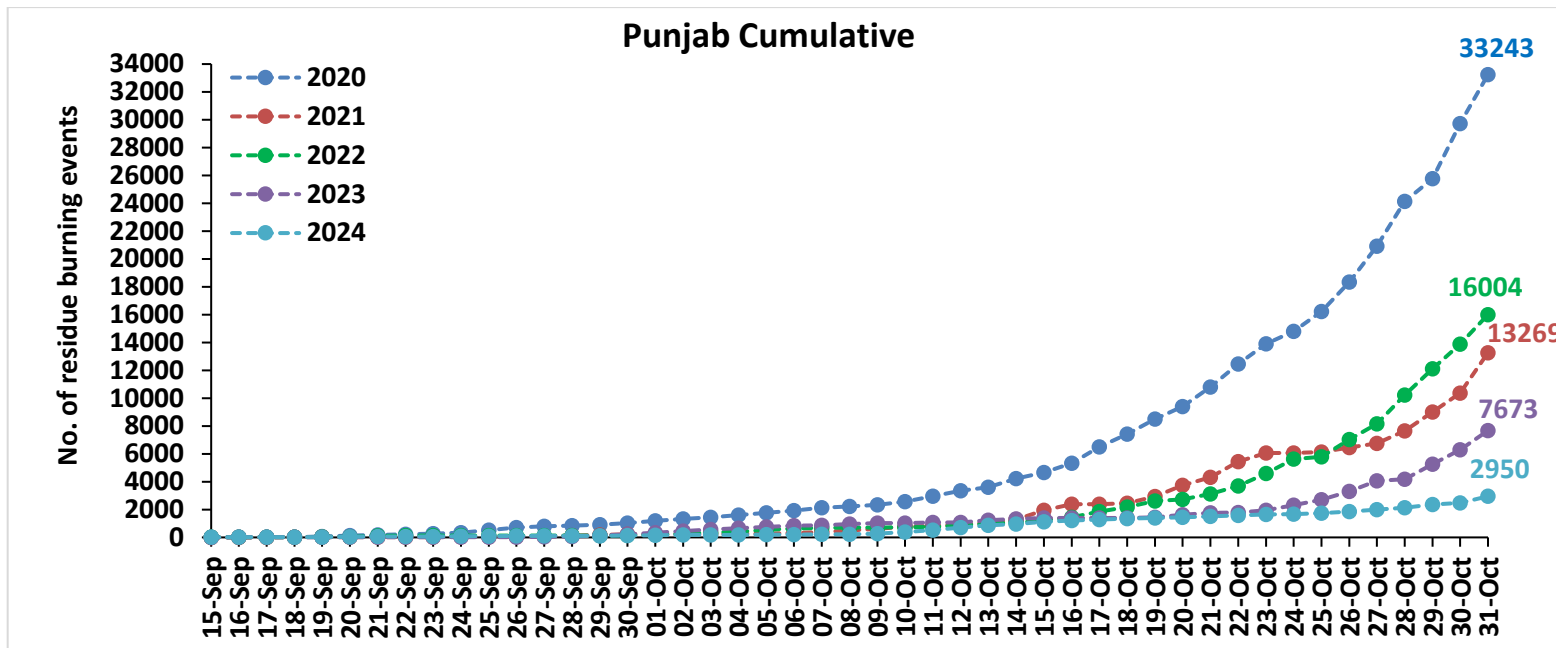


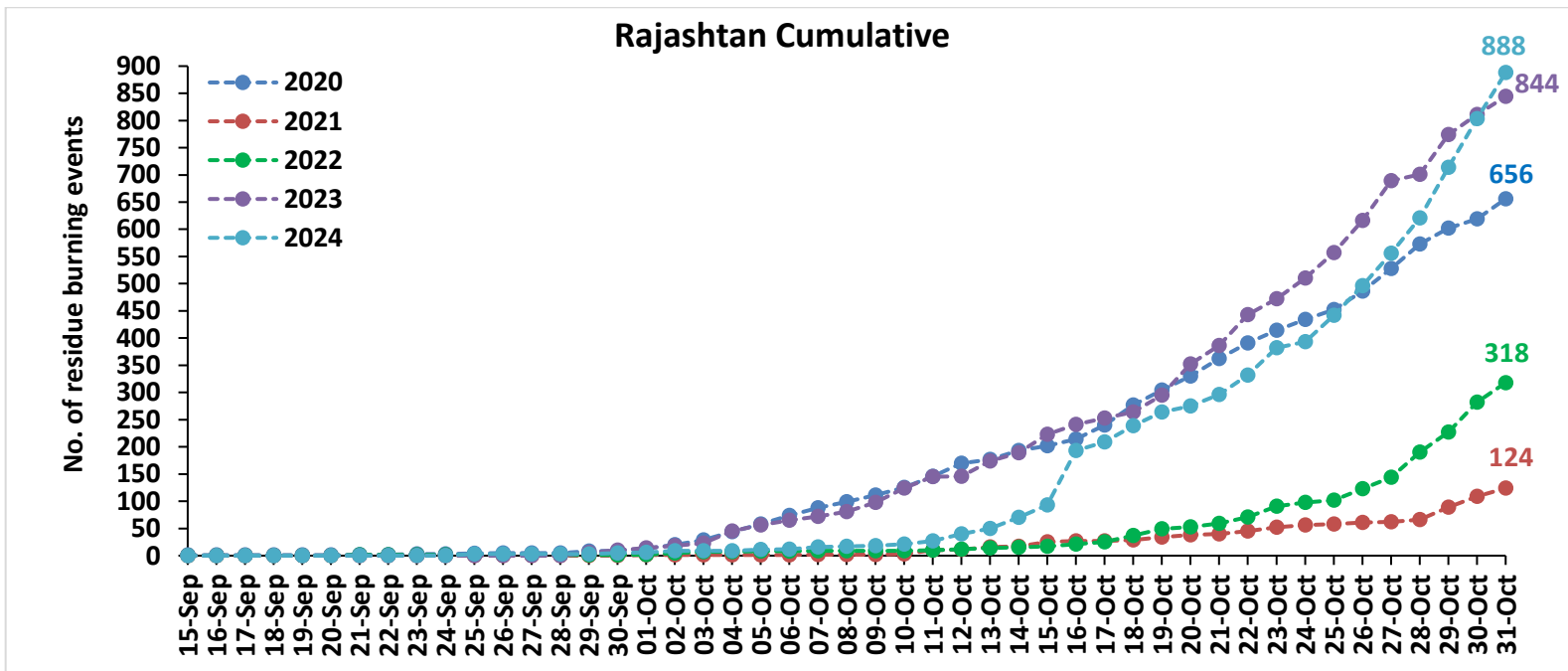
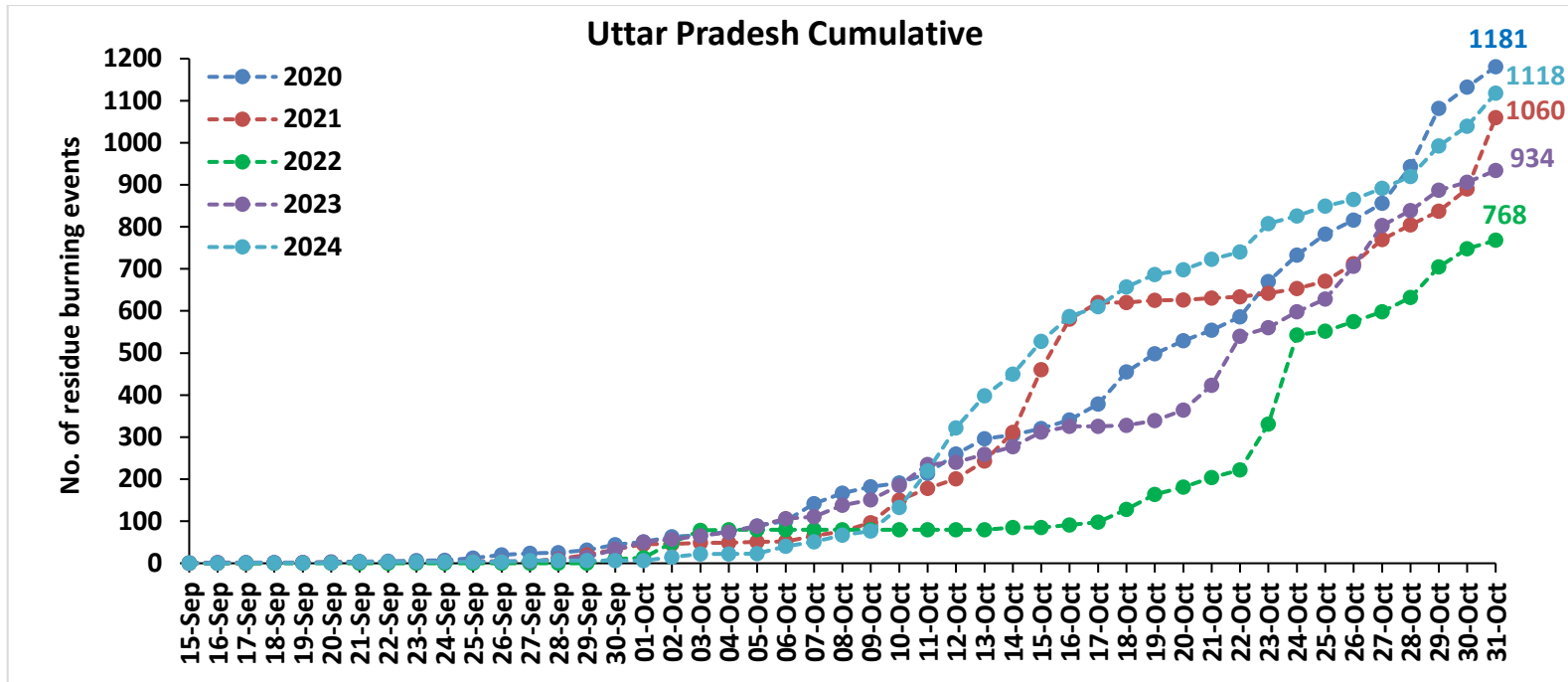
Madhya Pradesh

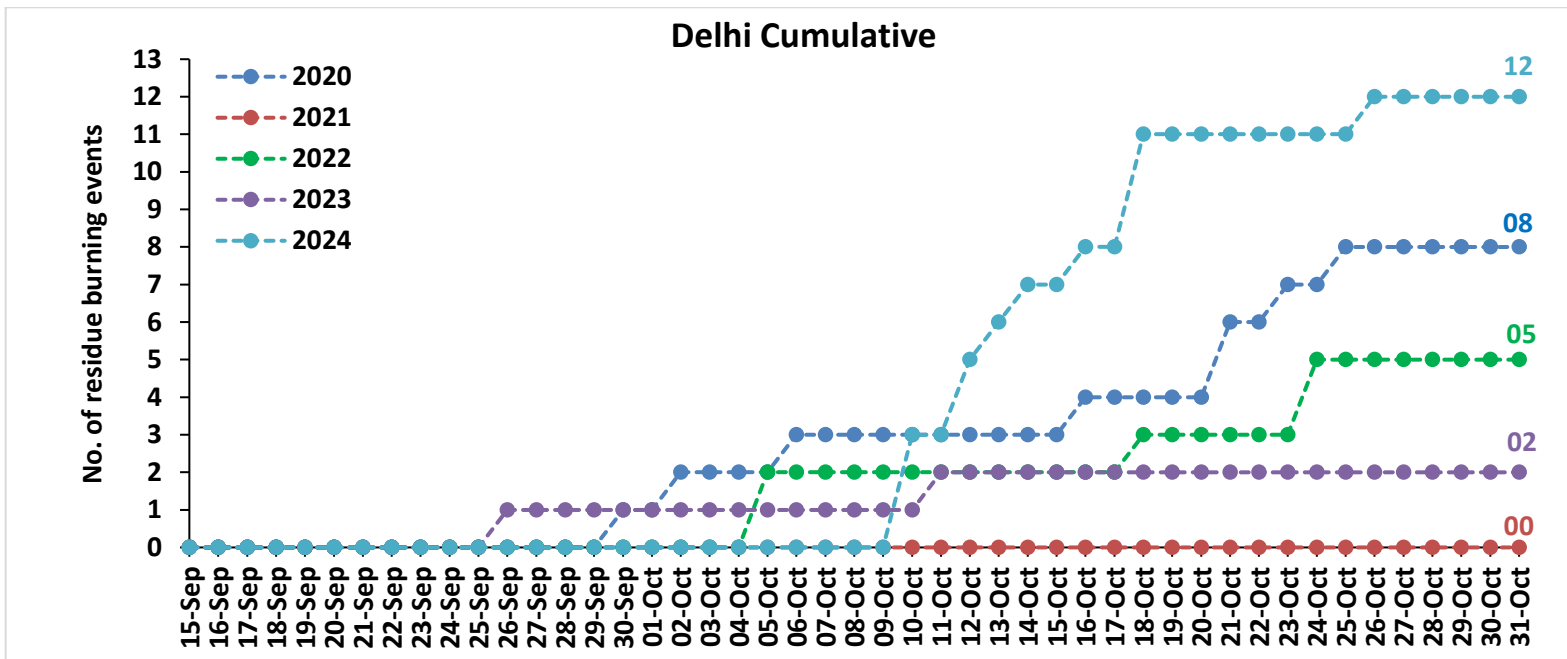
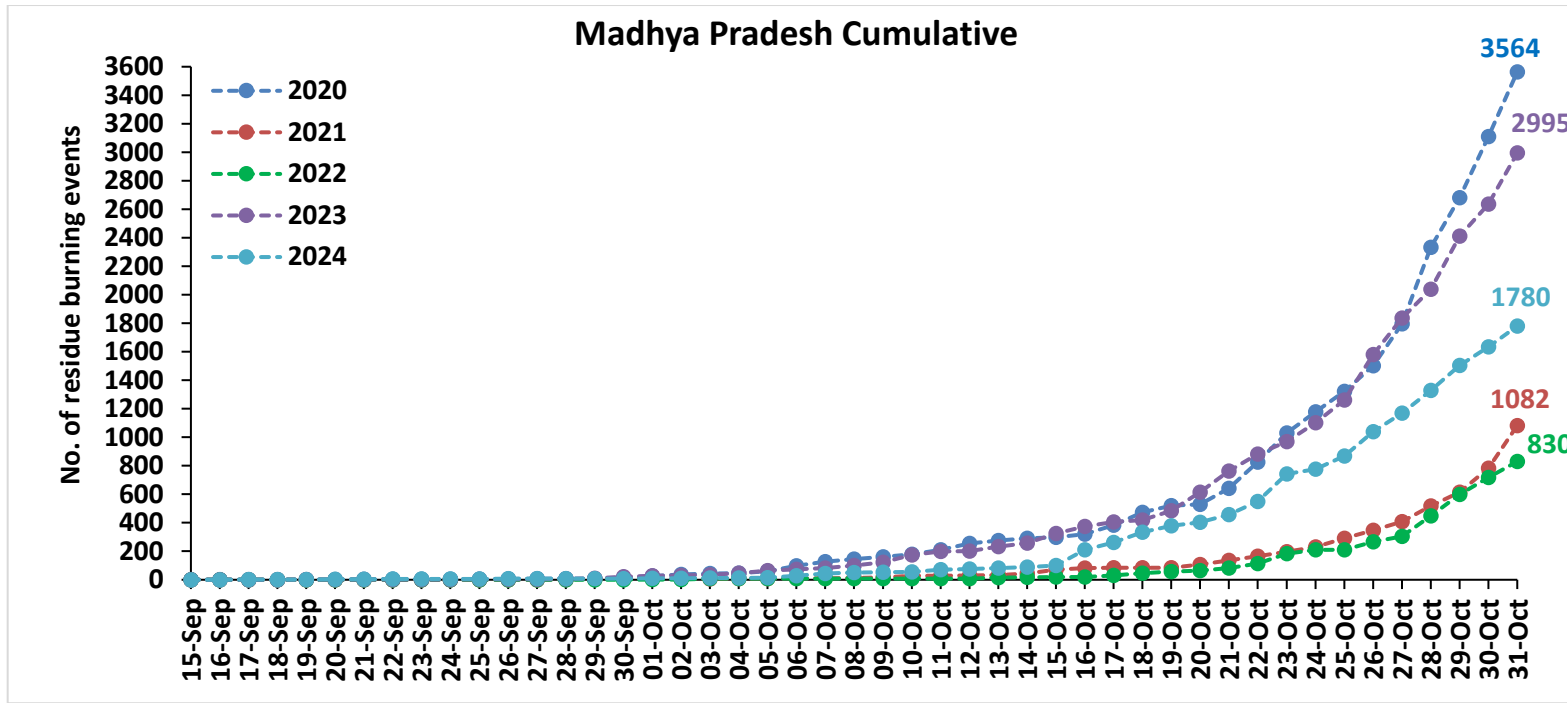




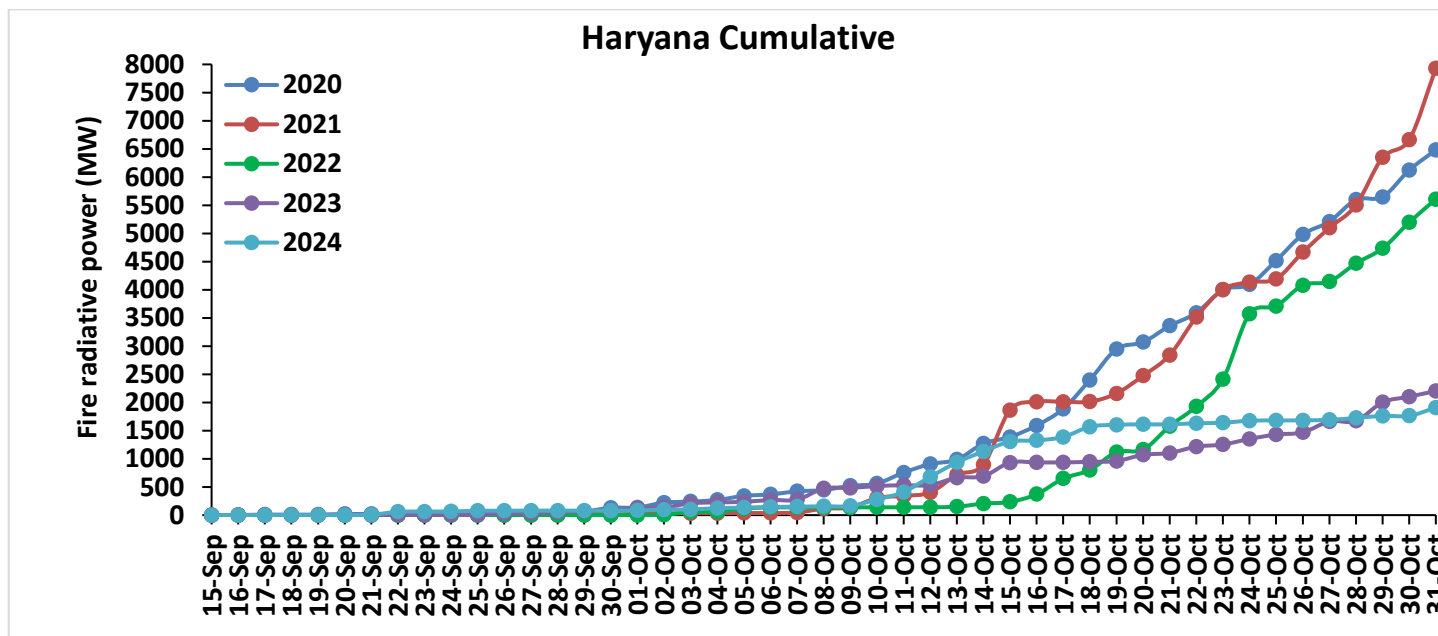
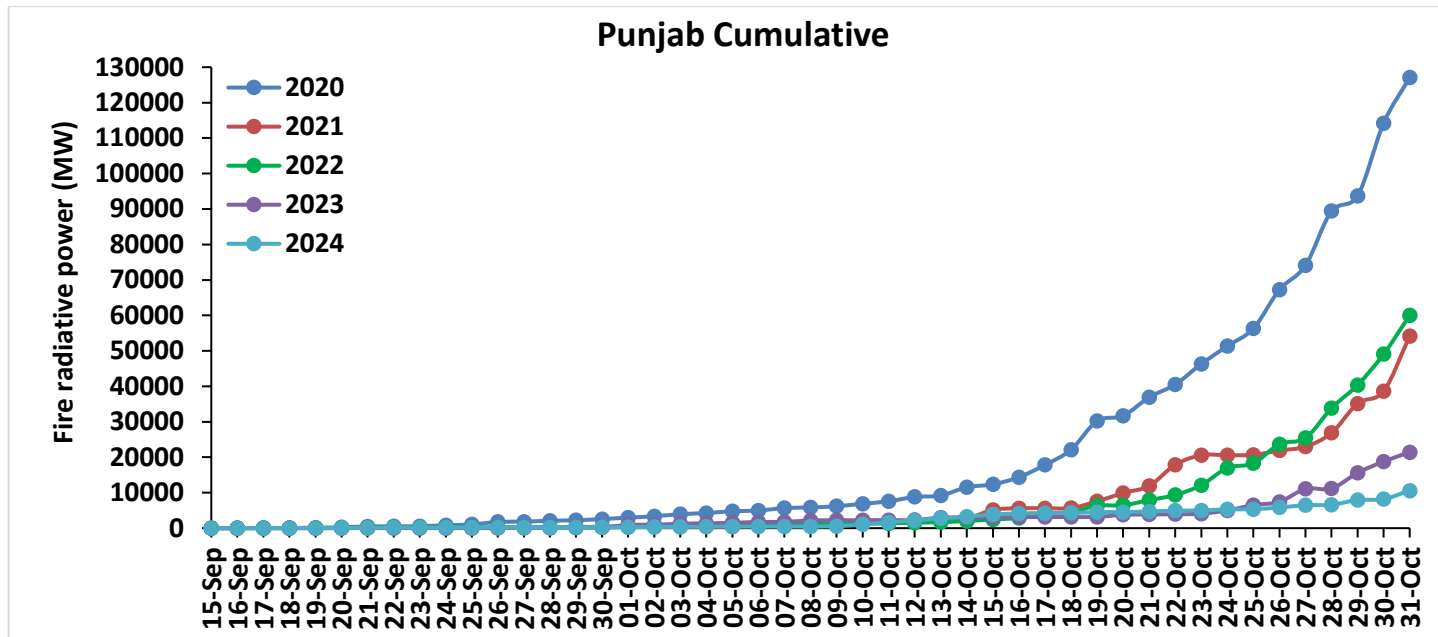
Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States



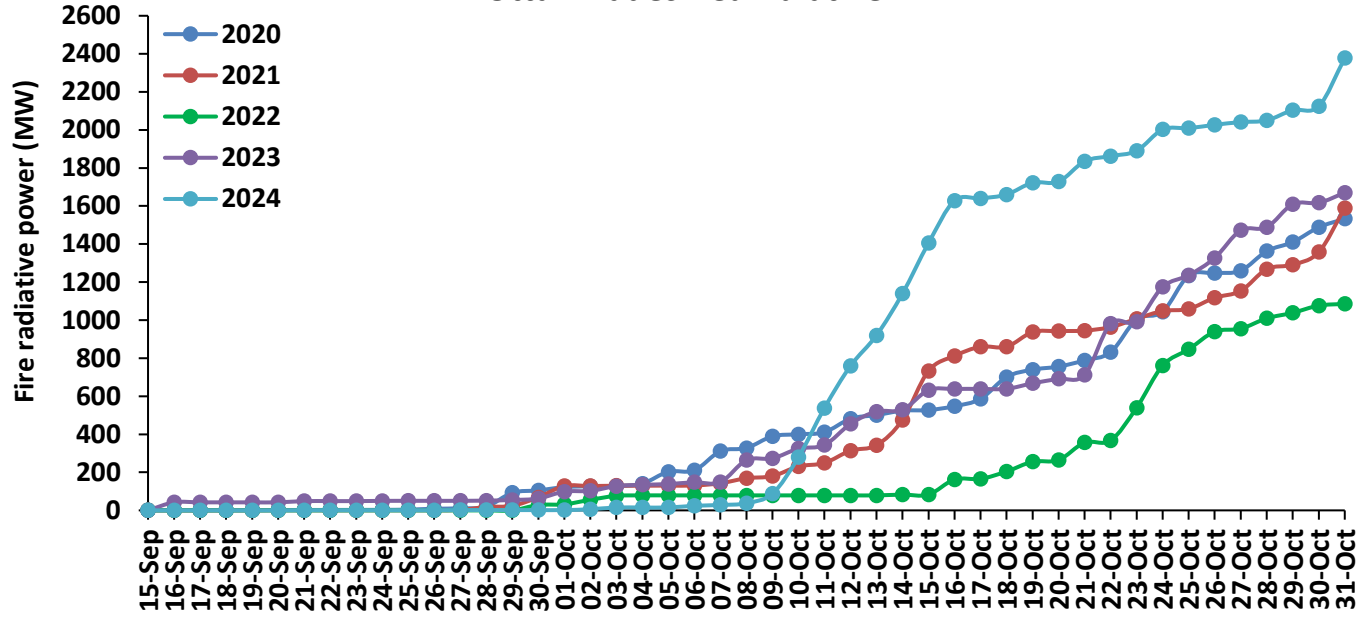




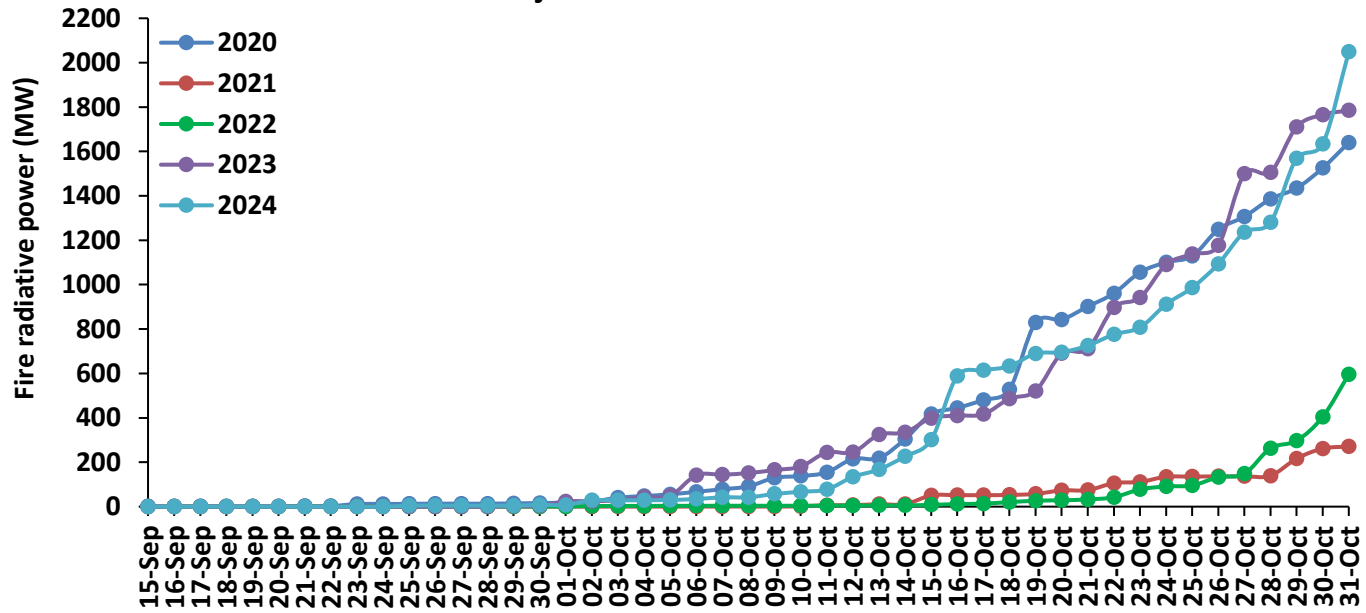
Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States



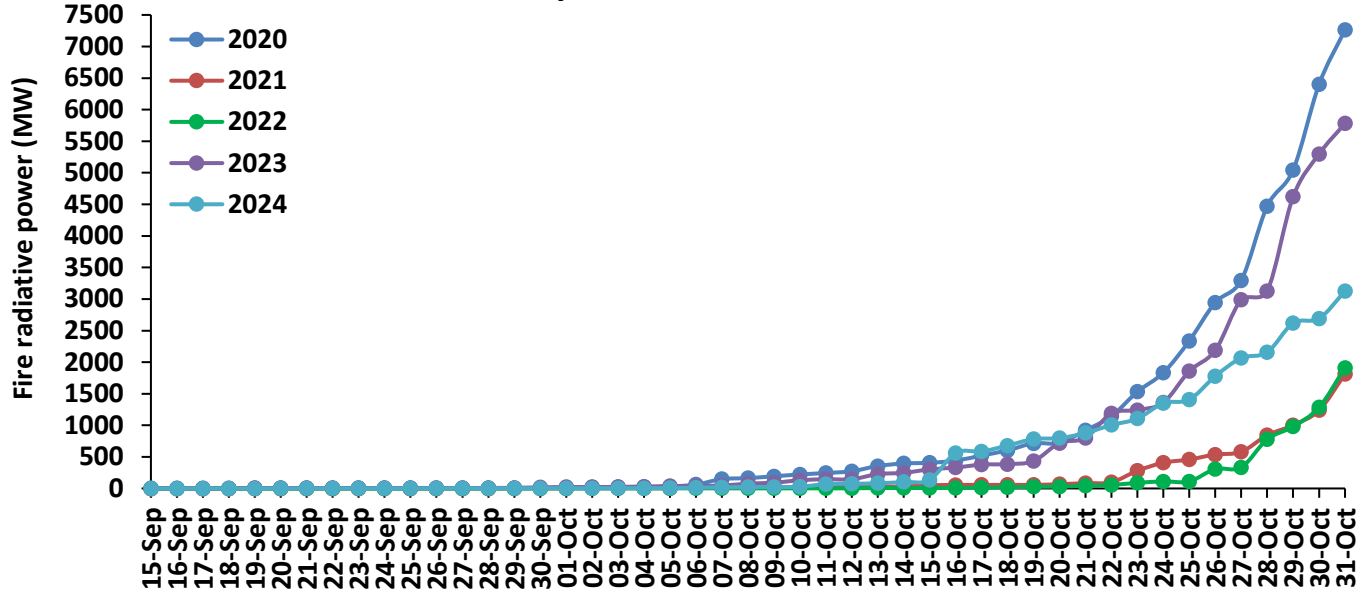
Uttar Pradesh Cumulative



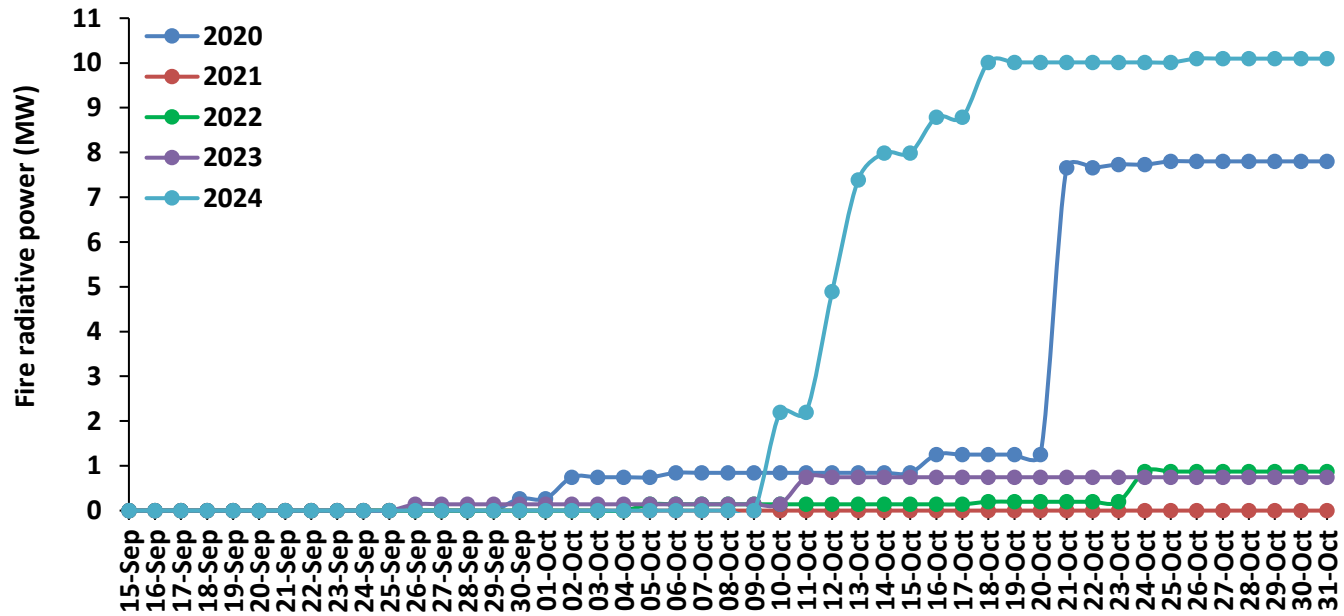
Rajasthan Cumulative



Madhya Pradesh Cumulative

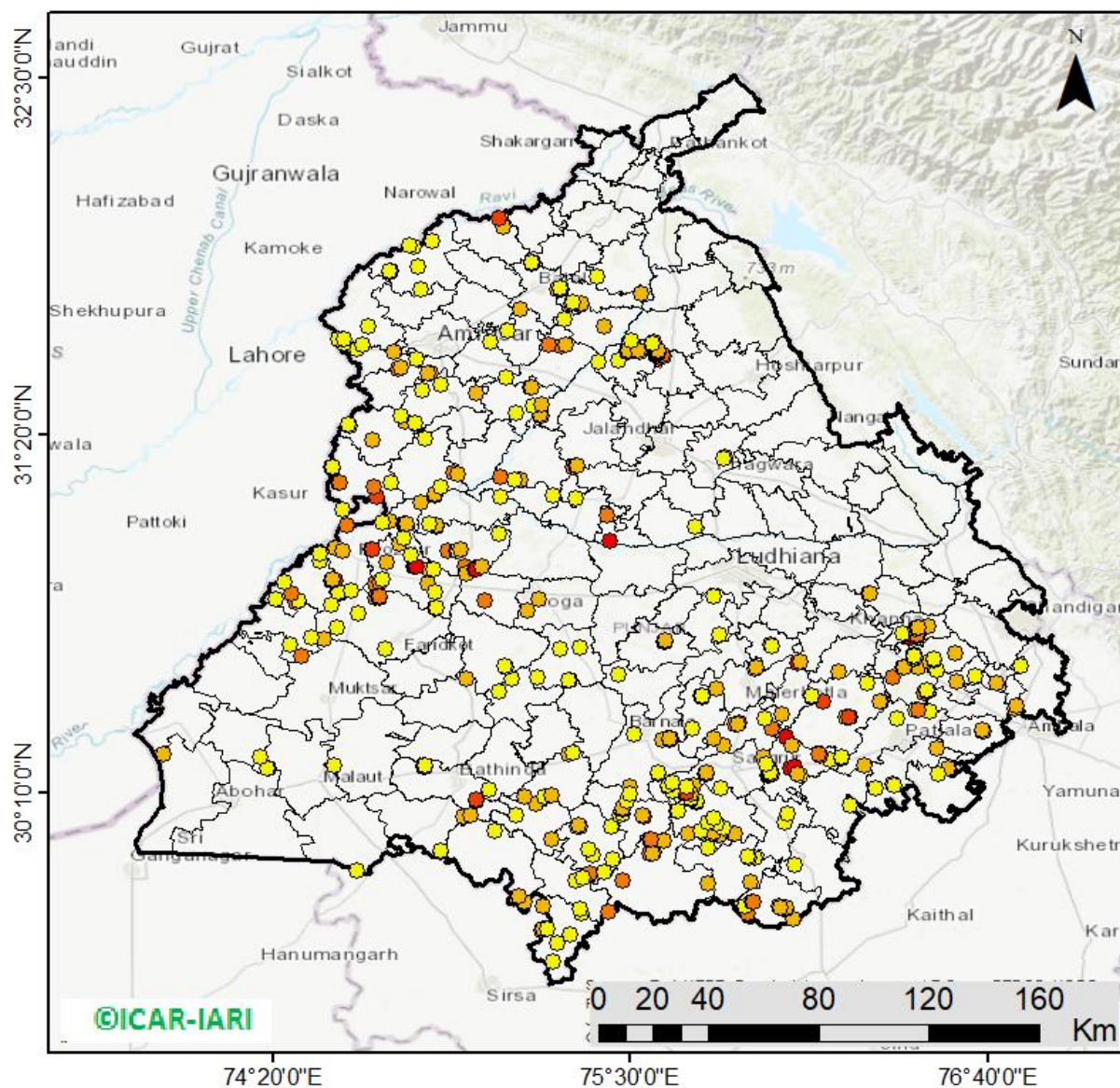


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



484 burning events
detected in Punjab during
(31st Oct 2024)

Fire Intensity (W/m²)

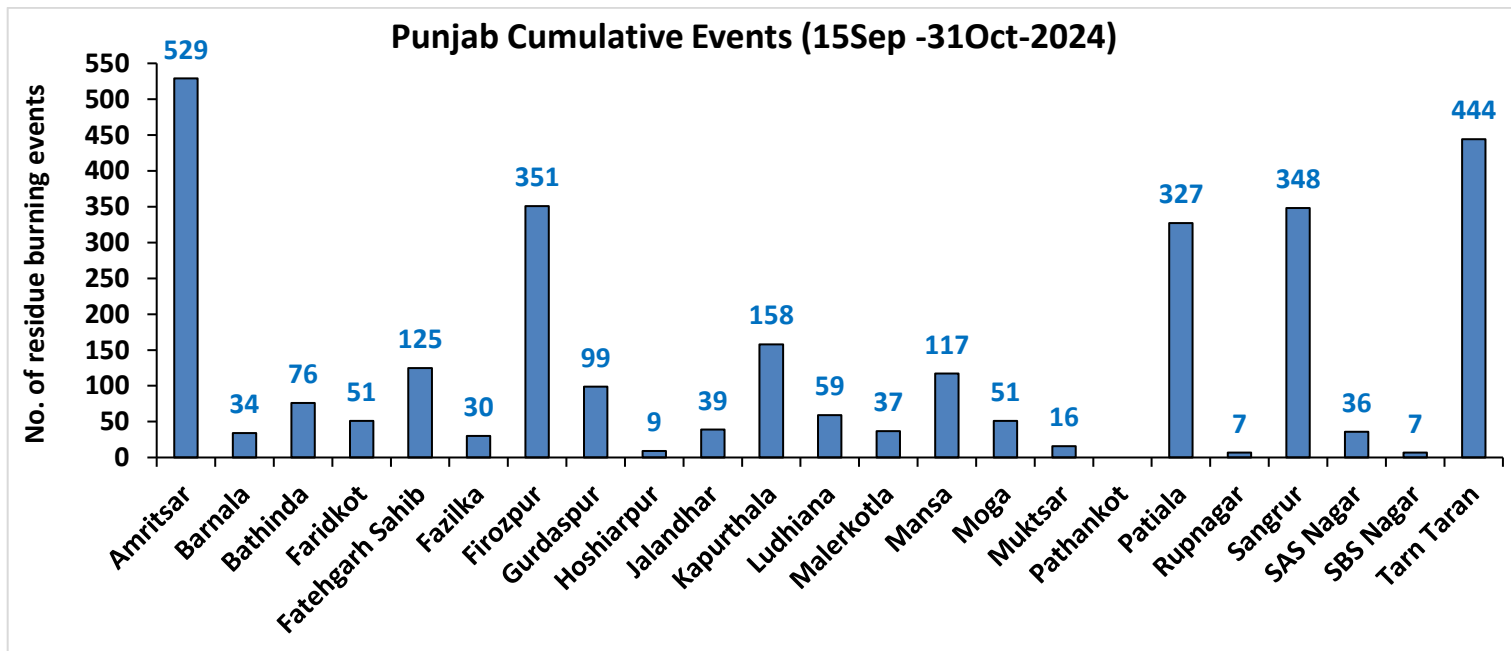
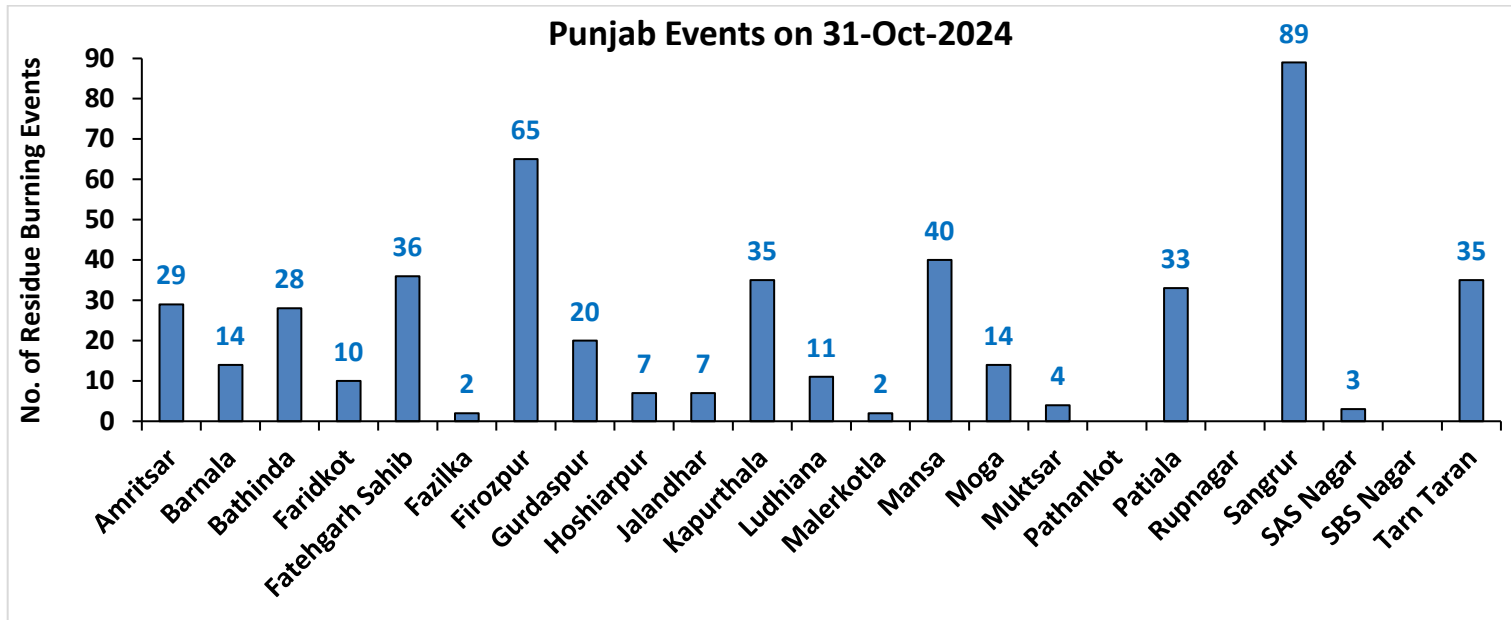
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

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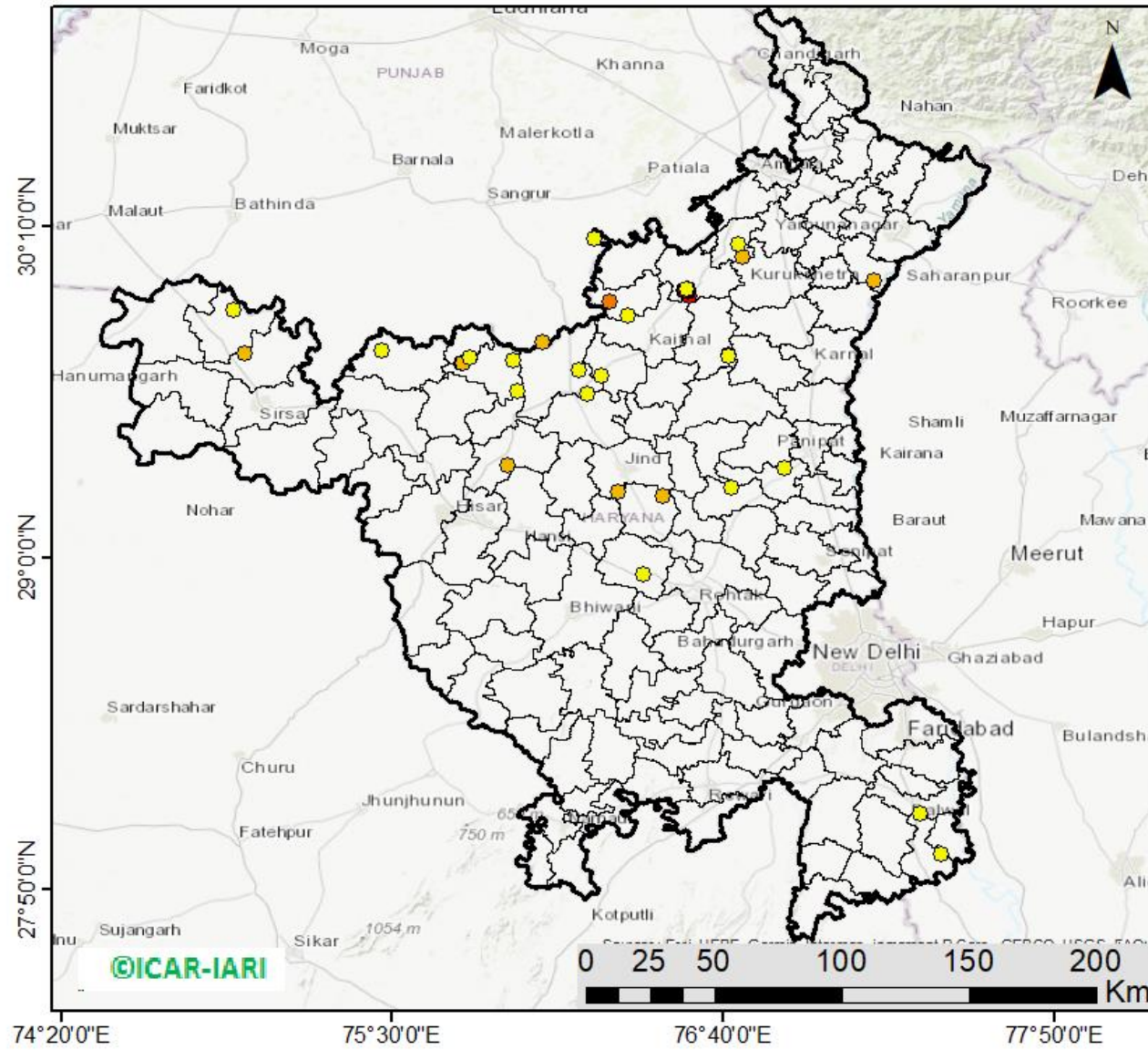
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Punjab (15Sep-31Oct-2024)



Haryana

RICE RESIDUE BURNING IN HARYANA



42 burning events detected in Haryana on (31st Oct 2024)

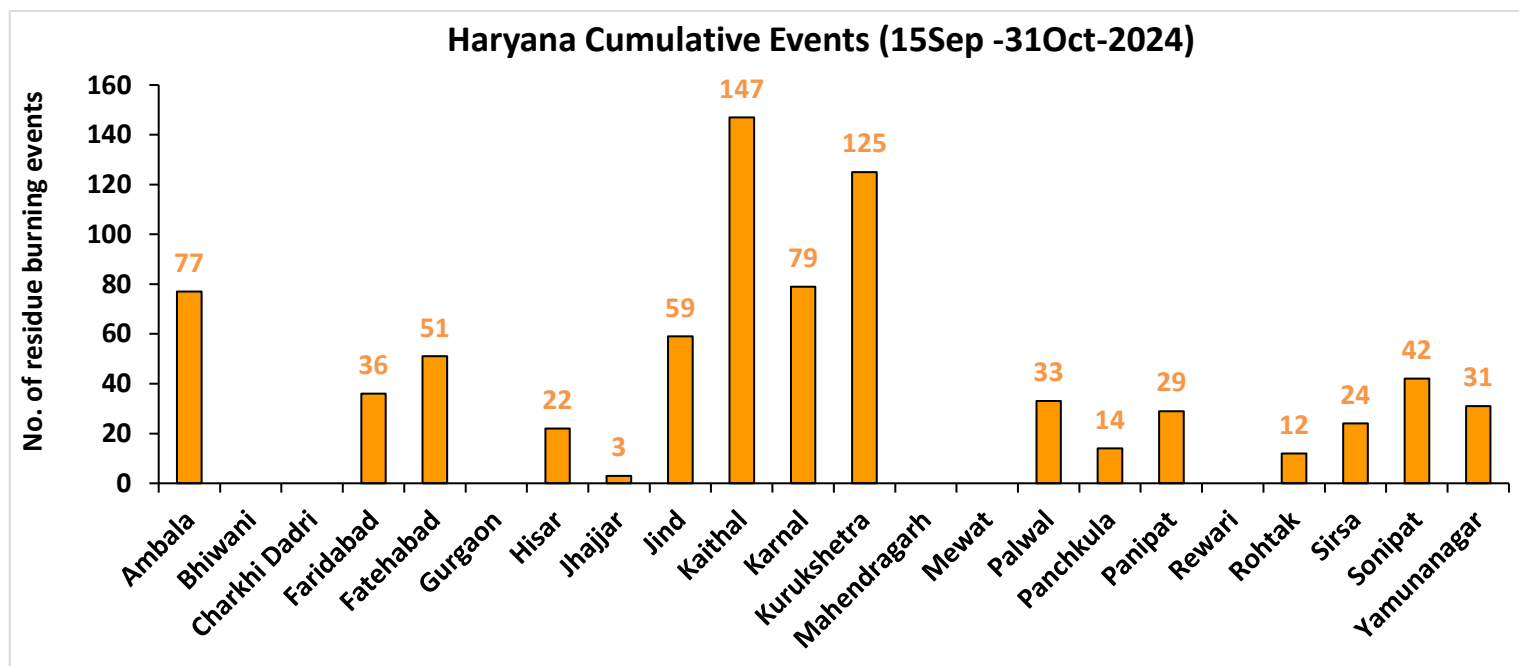
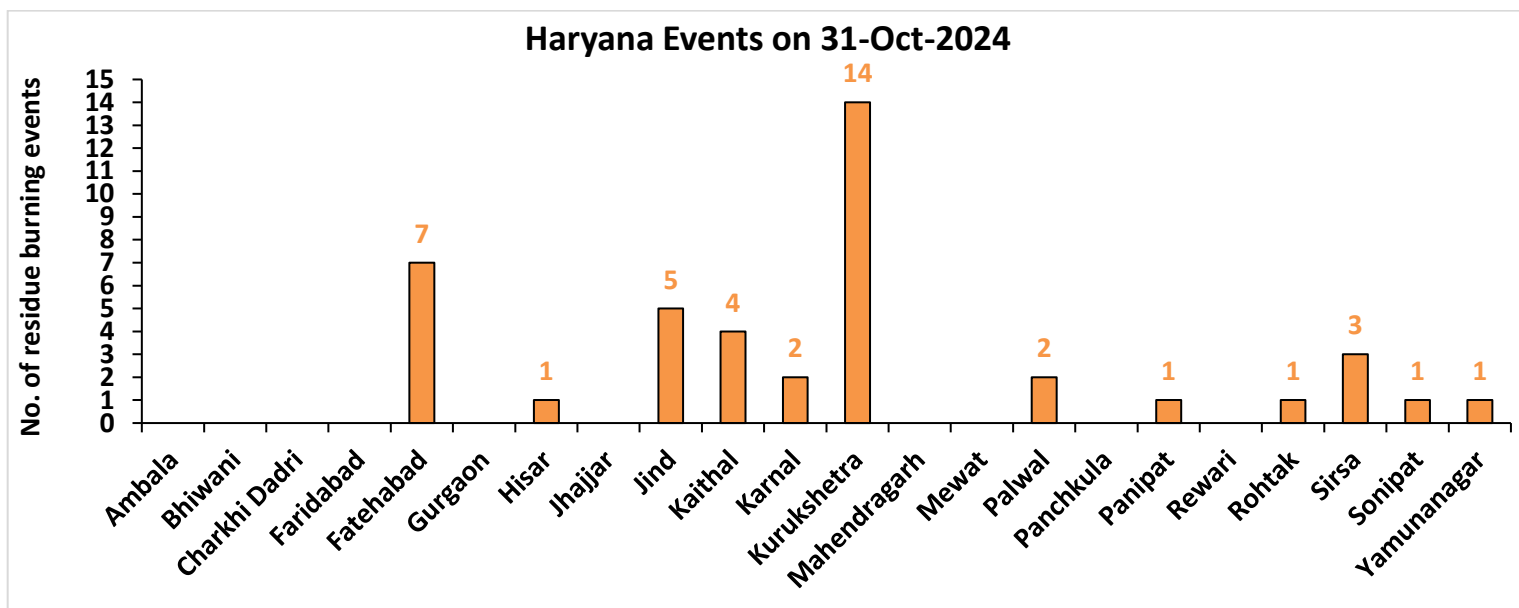
Fire Intensity (W/m²)

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



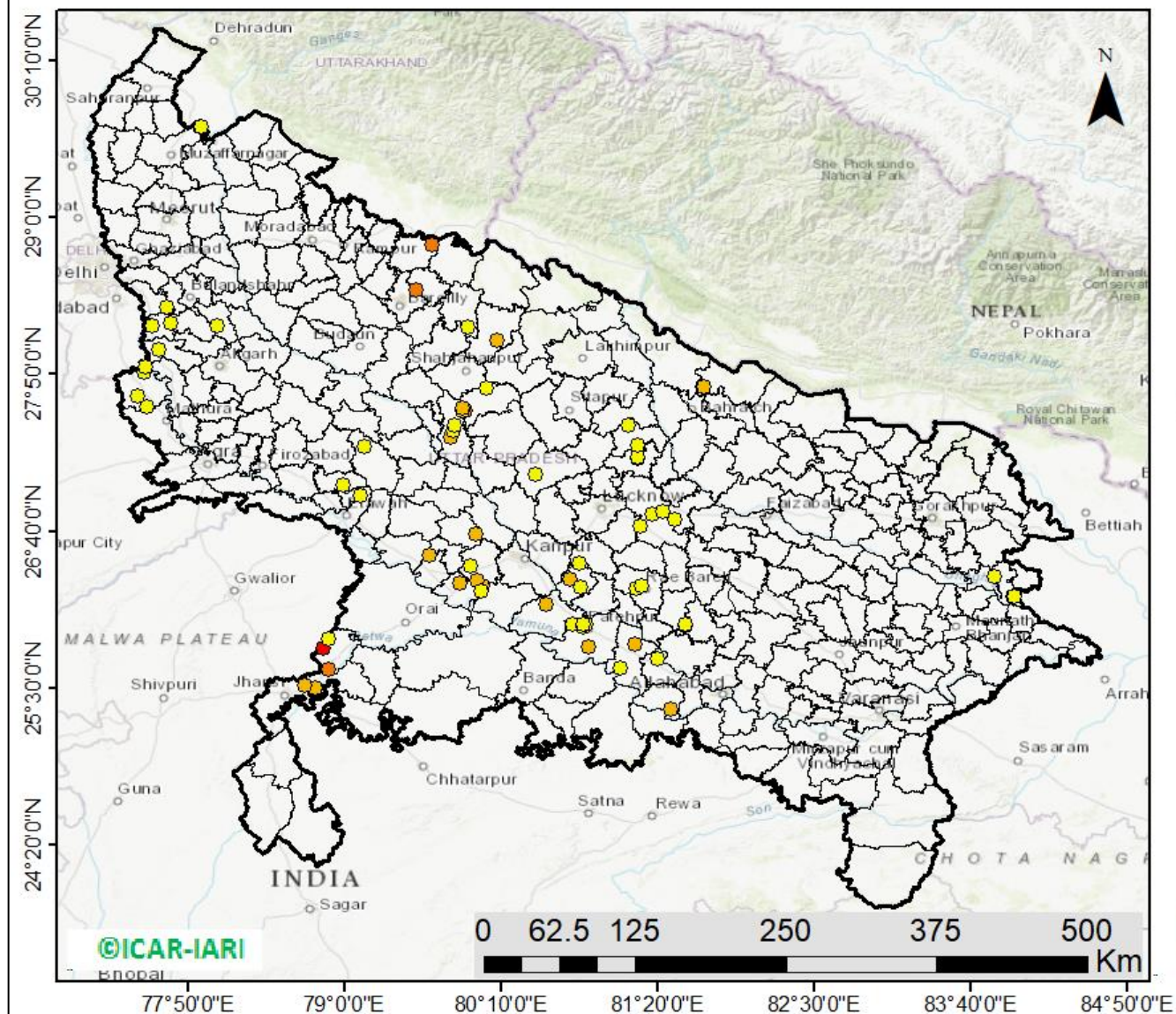
http://103.111.37.126/icar_geportal/

District-wise cumulative number of residues burning events in Haryana (15Sep-31Oct-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



79 burning events
detected in Uttar Pradesh on
(31st Oct 2024)

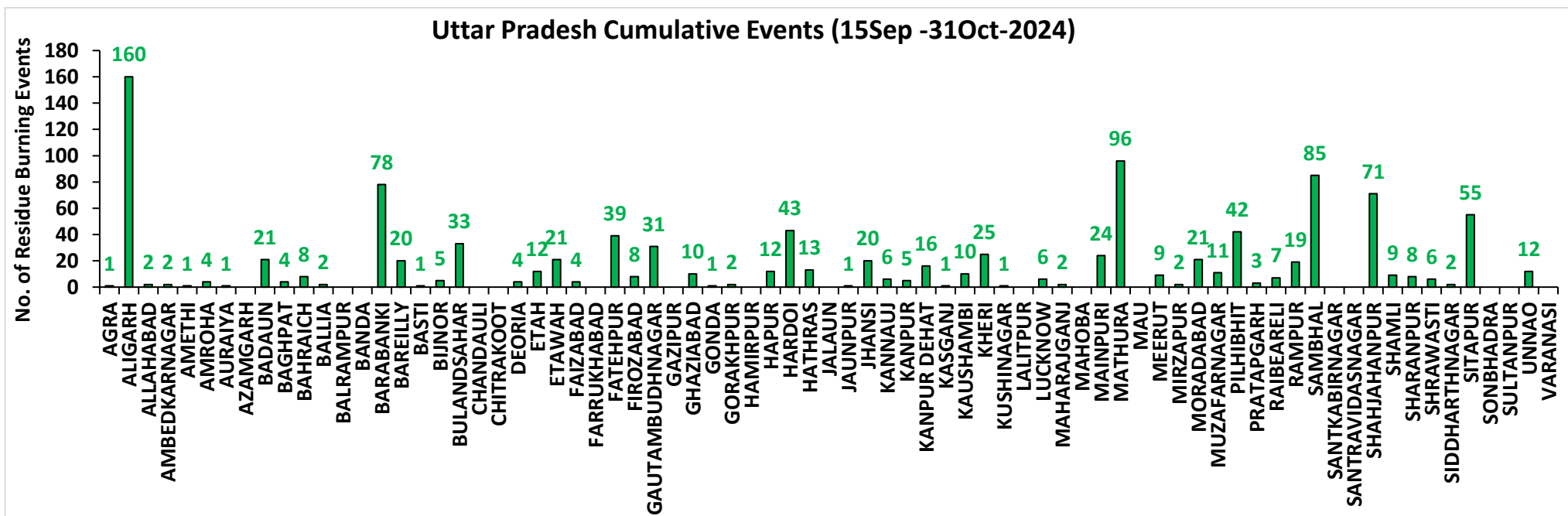
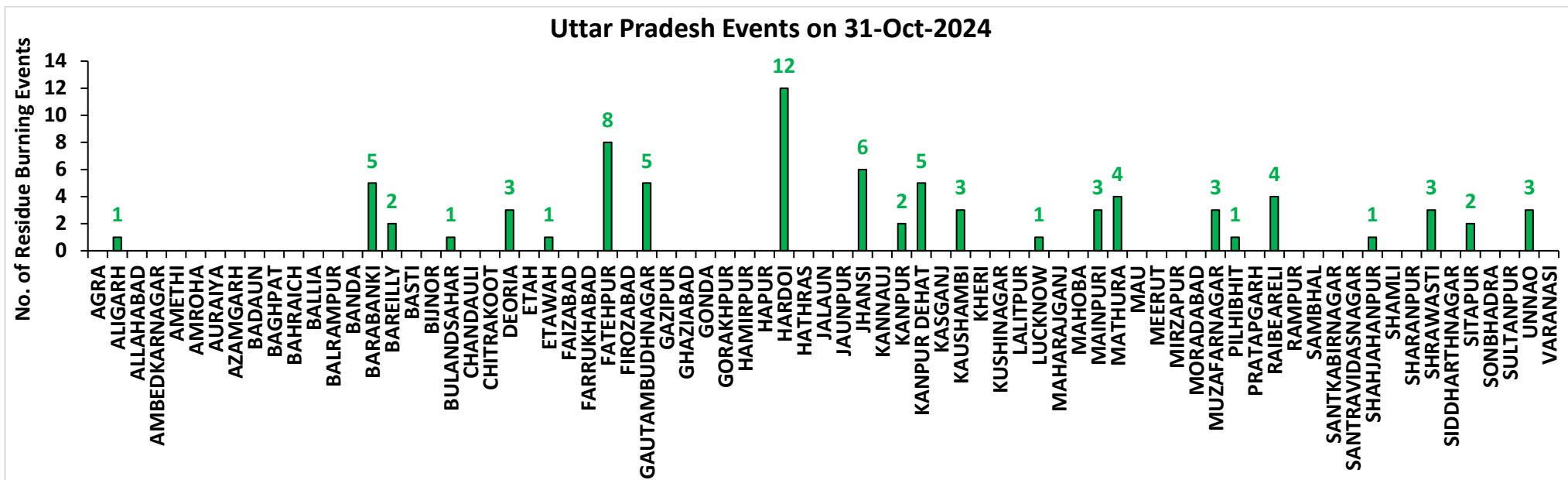
Fire Intensity (W/m²)

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



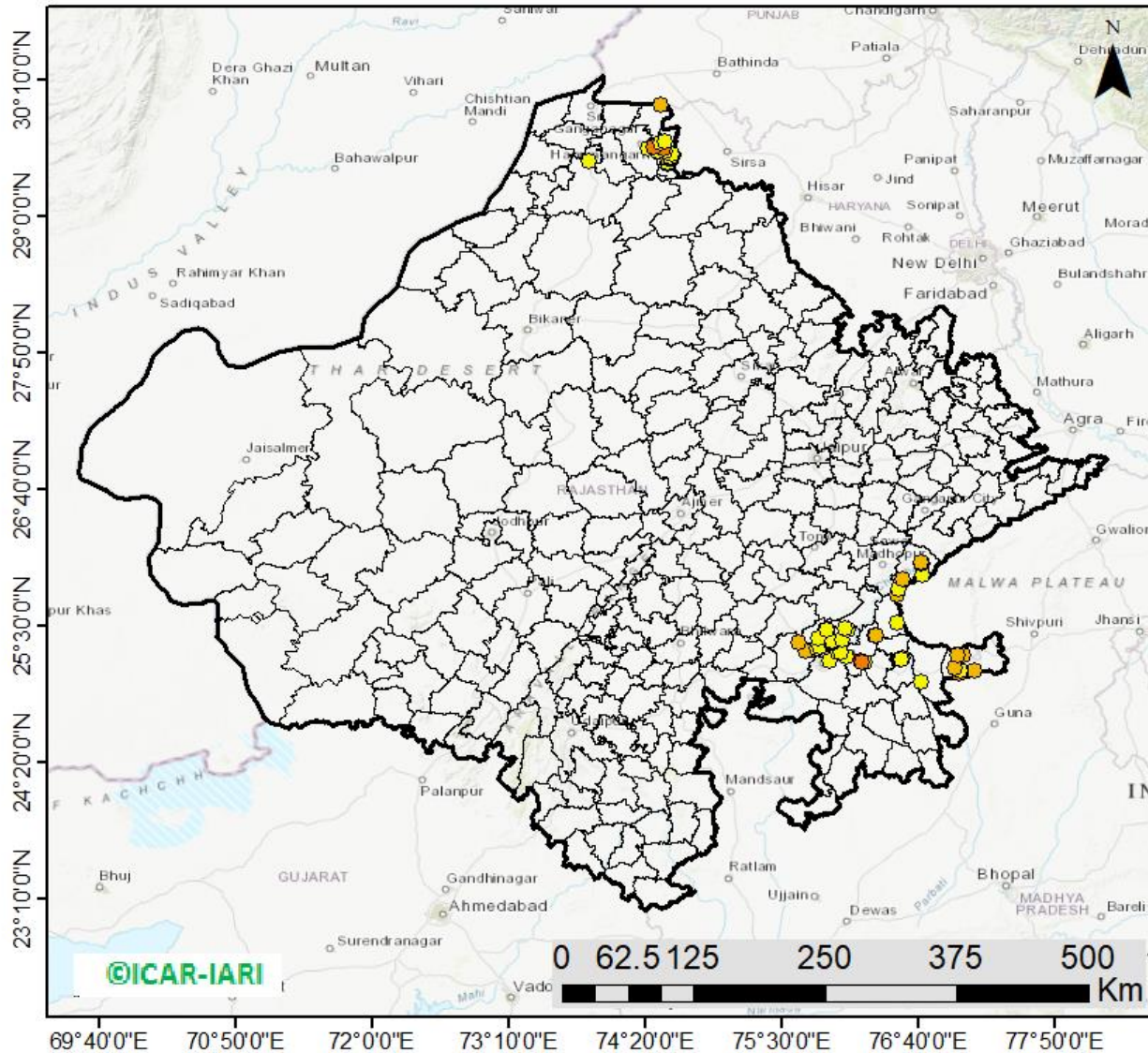
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-31Oct-2024)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



85 burning events
detected in Rajasthan on
(31st Oct 2024)

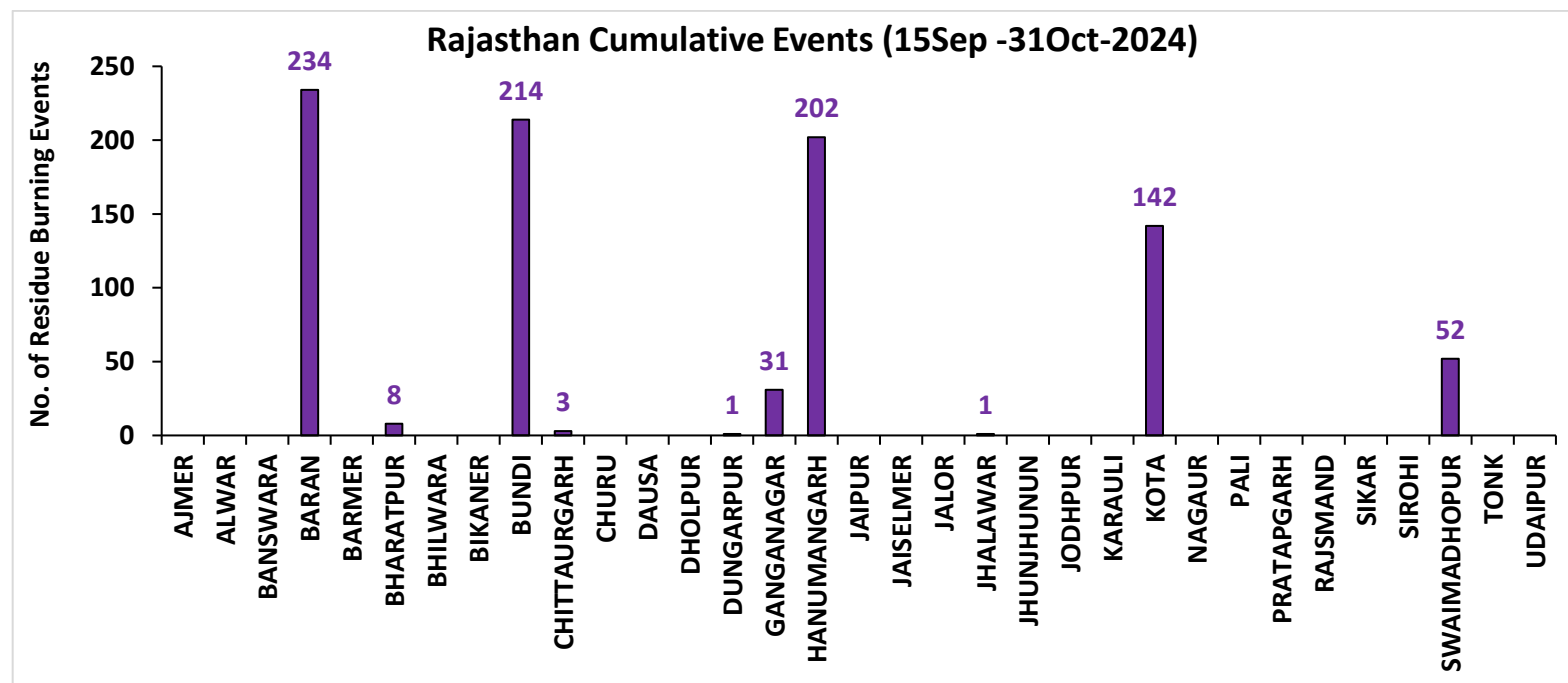
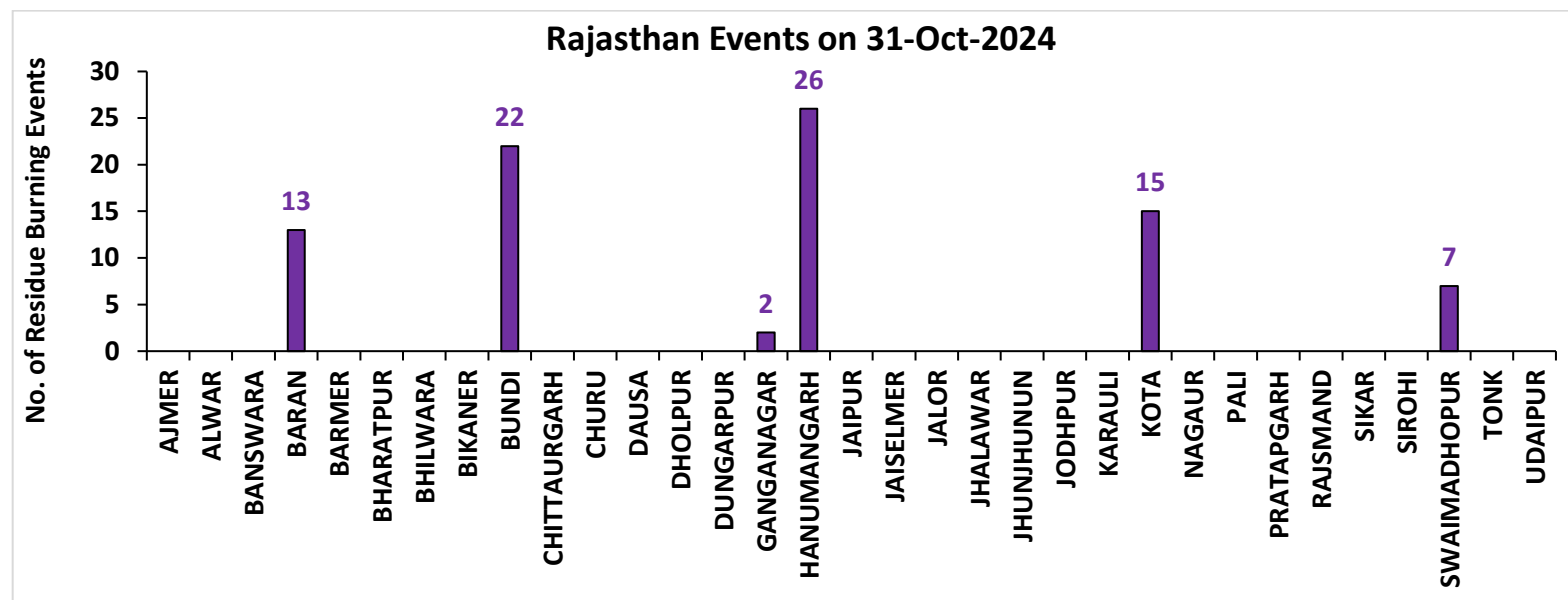
Fire Intensity (W/m²)

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



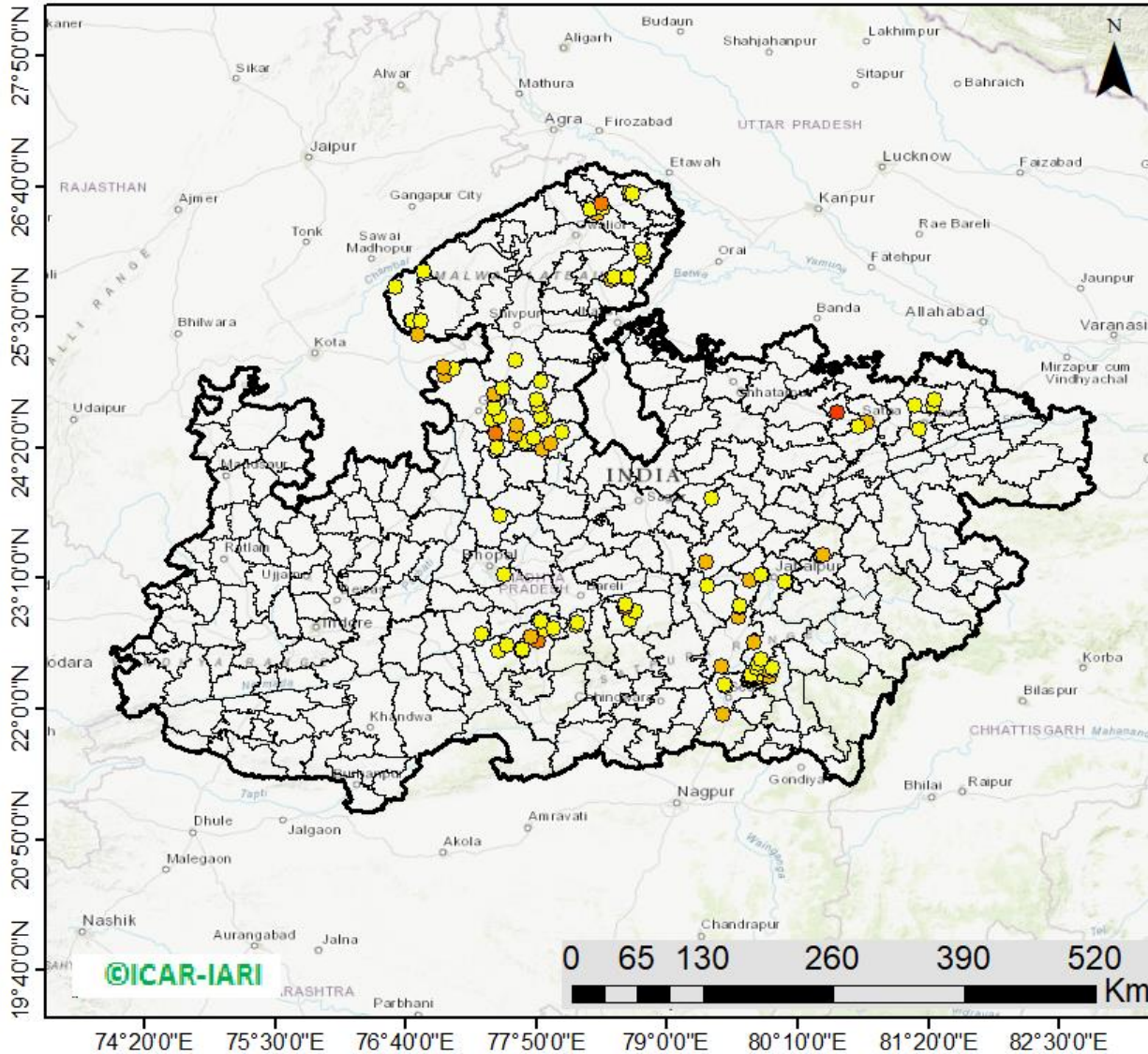
http://103.111.37.126/icar_geoportail/

District-wise cumulative number of residues burning events in Rajasthan (15Sep-31Oct-2024)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



145 burning events
detected in MP on
(31st Oct 2024)

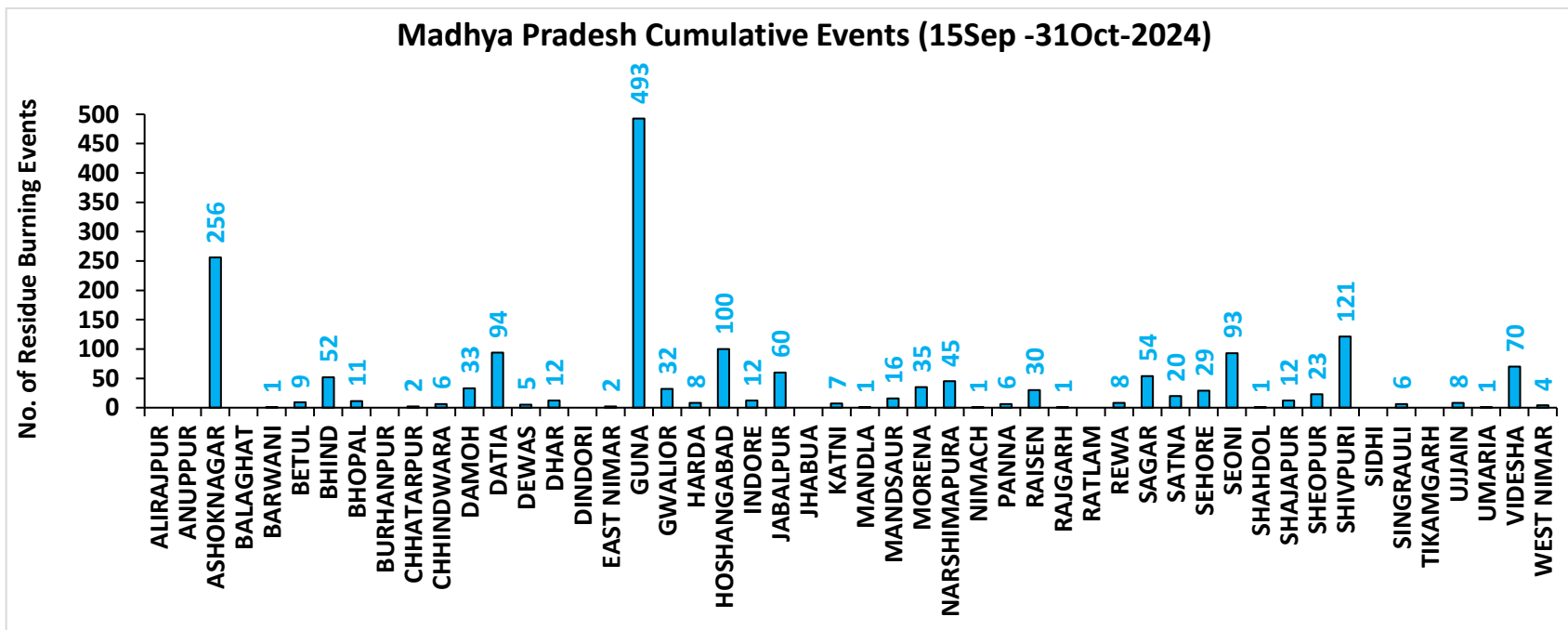
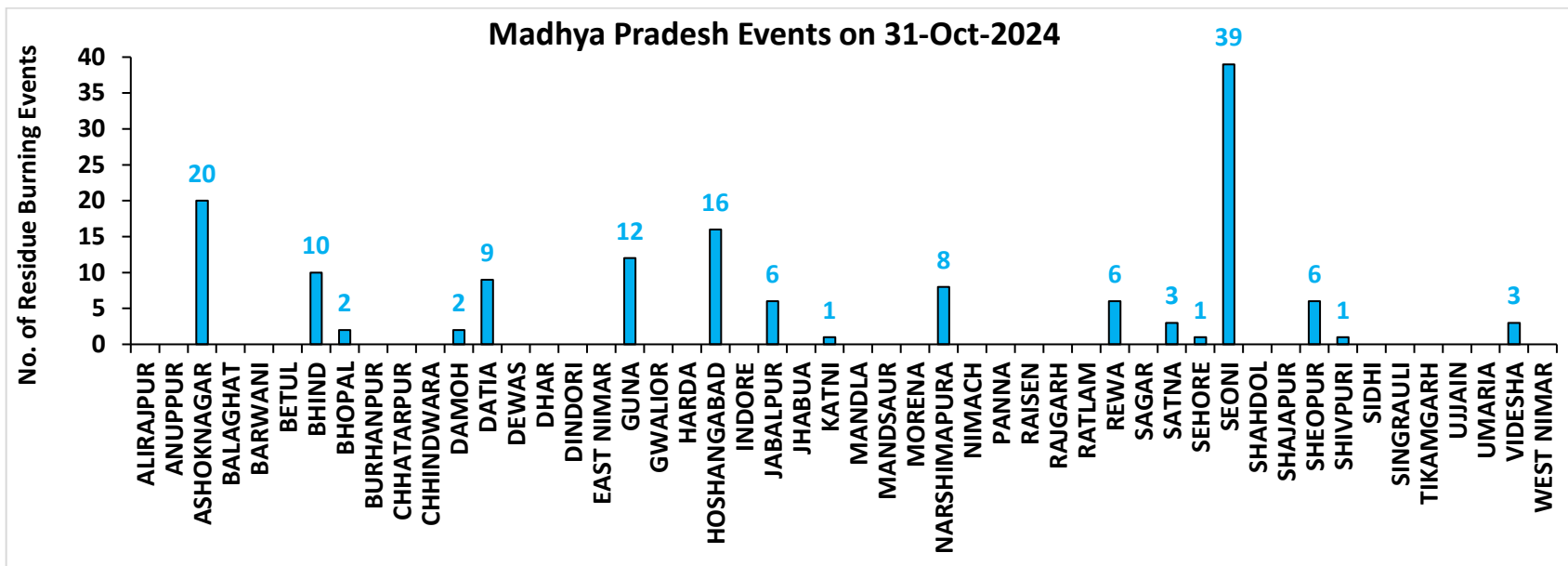
Fire Intensity (W/m²)

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



http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-31Oct-2024)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024
(Period: 15 September-31 October)

(a) Punjab

District	15 Sep-31 Oct				
	2020	2021	2022	2023	2024
Amritsar	2713	1211	1342	1167	529
Barnala	850	510	518	118	34
Bathinda	976	499	720	197	76
Faridkot	1657	794	315	222	51
Fatehgarh Sahib	1053	343	733	367	125
Fazilka	375	200	181	79	30
Firozpur	4403	1082	1087	789	351
Gurdaspur	1938	640	811	186	99
Hoshiarpur	331	158	185	19	9
Jalandhar	977	584	778	235	39
Kapurthala	1496	830	925	303	158
Ludhiana	1506	839	754	346	59
Malerkotla	0	0	0	44	37
Mansa	735	210	438	464	117
Moga	1113	547	415	258	51
Muktsar	1114	568	289	79	16
Pathankot	8	2	0	1	0
Patiala	3444	1068	1820	729	327
Rupnagar	129	56	154	19	7
Sangrur	3521	742	1900	959	348
SAS NAGAR (Mohali)	111	80	83	114	36
SBS Nagar	67	49	84	37	7
Tarn Taran	4726	2257	2472	941	444
Total	33243	13269	16004	7673	2950

(b) Haryana

District	15 Sep-31 Oct				
	2020	2021	2022	2023	2024
AMBALA	314	177	166	152	77
BHIWANI	0	0	0	2	0
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	1	2	1	3	36
FATEHABAD	230	353	302	207	51
GURGAON	0	0	0	0	0
HISAR	12	18	34	66	22
JHAJJAR	3	0	1	5	3
JIND	89	165	209	154	59
KAITHAL	556	752	510	166	147
KARNAL	499	726	249	74	79
KURUKSHETRA	389	458	286	125	125
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	37	51	28	52	33
PANCHKULA	0	0	0	1	14
PANIPAT	18	41	27	20	29
REWARI	0	0	0	0	0
ROHTAK	10	0	0	13	12
SIRSA	55	47	53	33	24
SONIPAT	20	16	14	55	42
YAMUNANAGAR	111	108	115	69	31
Total	2344	2914	1995	1197	784

(c) Uttar Pradesh

District	15 Sep-31 Oct																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	7	10	9	9	31	MUZAFARNAGAR	5	3	1	2	11
AGRA	2	0	0	4	1	GAZIPUR	0	0	0	1	0	PILHIBHIT	10	140	100	80	42
ALIGARH	78	34	32	79	160	GHAZIABAD	8	5	2	14	10	PRATAPGARH	4	0	3	6	3
ALLAHABAD	5	3	2	2	2	GONDA	1	0	0	0	1	RAIBEARELI	2	1	3	4	7
AMBEDKARNAGAR	1	0	0	0	2	GORAKHPUR	3	0	0	1	2	RAMPUR	89	81	55	62	19
AMETHI	2	2	4	3	1	HAMIRPUR	1	0	0	0	0	SAMBHAL	8	9	11	13	85
AMROHA	3	0	0	2	4	HAPUR	8	3	2	0	12	SANTKABIRNAGAR	2	0	2	2	0
AURAIYA	27	14	8	17	1	HARDOI	33	22	14	36	43	SANTRAVIDASNAGAR	0	0	0	0	0
AZAMGARH	4	0	0	1	0	HATHRAS	0	0	1	2	13	SHAHJAHANPUR	64	234	228	49	71
BADAUN	4	7	0	4	21	JALAUN	6	0	0	0	0	SHAMLI	25	21	6	5	9
BAGHPAT	5	1	2	1	4	JAUNPUR	2	2	0	1	1	SHARANPUR	61	38	8	8	8
BAHRAICH	51	8	7	11	8	JHANSI	40	7	6	50	20	SHRAWASTI	17	4	2	7	6
BALLIA	2	0	0	0	2	KANNAUJ	14	2	1	2	6	SIDDHARTHANAGAR	3	0	0	0	2
BALRAMPUR	17	3	2	3	0	KANPUR	12	9	11	24	5	SITAPUR	31	25	7	9	55
BANDA	1	2	0	0	0	KANPUR DEHAT	29	7	1	31	16	SONBHADRA	0	0	0	0	0
BARABANKI	25	25	32	49	78	KASGANJ	2	2	0	3	1	SULTANPUR	2	1	1	2	0
BAREILLY	33	24	17	26	20	KAUSHAMBI	19	14	7	24	10	UNNAO	9	4	1	16	12
BASTI	8	1	1	1	1	KHERI	70	79	80	15	25	VARANASI	1	0	0	0	0
BIJNOR	9	7	2	6	5	KUSHINAGAR	4	0	2	3	1	Total	1181	1060	768	934	1118
BULANDSAHAR	30	2	7	6	33	LALITPUR	1	1	3	2	0						
CHANDAULI	0	0	0	0	0	LUCKNOW	11	9	1	4	6						
CHITRAKOOT	0	3	2	4	0	MAHARAJGANJ	3	1	2	2	2						
DEORIA	6	1	2	2	4	MAHOBA	12	0	0	0	0						
ETAH	13	6	2	13	12	MAINPURI	21	18	13	24	24						
ETAWAH	16	14	7	45	21	MATHURA	99	101	18	84	96						
FAIZABAD	3	0	0	3	4	MAU	0	0	0	0	0						
FARRUKHABAD	2	0	0	1	0	MEERUT	18	6	4	3	9						
FATEHPUR	49	29	30	40	39	MIRZAPUR	6	5	2	0	2						
FIROZABAD	14	7	2	6	8	MORADABAD	8	3	0	5	21						

(d) Delhi

District	15 Sep-31 Oct				
	2020	2021	2022	2023	2024
CENTRAL	0	0	0	0	0
EAST	0	0	0	0	0
NEW DELHI	0	0	0	0	0
NORTH	2	0	5	2	8
NORTH EAST	0	0	0	0	0
NORTH WEST DELHI	3	0	0	0	4
SHAHADRA	0	0	0	0	0
SOUTH	1	0	0	0	0
SOUTH EAST	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0
WEST DELHI	2	0	0	0	0
Total	8	0	5	2	12

(e) Rajasthan

District	15 Sep-31 Oct				
	2020	2021	2022	2023	2024
AJMER	3	0	0	0	0
ALWAR	4	0	0	0	0
BANSWARA	0	0	0	0	0
BARAN	130	1	35	289	234
BARMER	3	0	0	0	0
BHARATPUR	2	2	1	2	8
BHILWARA	6	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	68	21	115	165	214
CHITTAURGARH	0	6	3	9	3
CHURU	0	0	0	0	0
DAUSA	0	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	0	0	1
GANGANAGAR	10	7	14	17	31
HANUMANGARH	293	79	56	104	202
JAIPUR	2	0	0	0	0
JAISELMER	3	0	0	0	0
JALOR	0	0	0	0	0
JHALAWAR	2	0	2	9	1
JHUNJHUNUN	1	0	0	0	0
JODHPUR	2	0	0	0	0
KARALI	1	0	0	0	0
KOTA	76	7	67	198	142
NAGOUR	0	0	0	0	0
PALI	2	0	0	0	0
PRATAPGARH	6	0	0	0	0
RAJSMAND	0	0	0	0	0
SIKAR	0	0	0	0	0
SIROHI	1	0	0	0	0
SWAIMADHOPUR	37	1	25	50	52
TONK	3	0	0	0	0
UDAIPUR	0	0	0	1	0
Total	656	124	318	844	888

(f) Madhya Pradesh

District	15 Sep-31 Oct										
	2020	2021	2022	2023	2024	PANNA	17	3	0	3	6
ALIRAJPUR	0	0	0	0	0	RAISEN	200	18	19	79	30
ANUPPUR	0	0	0	0	0	RAJGARH	10	1	3	9	1
ASHOKNAGAR	90	10	23	158	256	RATLAM	0	1	0	1	0
BALAGHAT	0	0	0	0	0	REWA	36	7	2	7	8
BARWANI	0	0	0	0	1	SAGAR	24	19	35	71	54
BETUL	17	5	1	11	9	SATNA	126	24	3	29	20
BHIND	59	3	18	65	52	SEHORE	58	28	44	67	29
BHOPAL	31	11	8	24	11	SEONI	650	470	120	229	93
BURHANPUR	0	1	0	5	0	SHAHDOL	0	0	0	2	1
CHHATARPUR	5	0	0	3	2	SHAJAPUR	7	0	0	11	12
CHHINDWARA	42	25	22	41	6	SHEOPUR	335	12	150	666	23
DAMOH	52	25	23	38	33	SHIVPURI	62	4	16	65	121
DATIA	326	26	41	279	94	SIDHI	1	0	0	0	0
DEWAS	5	0	0	9	5	SINGRAULI	0	0	1	0	6
DHAR	29	0	0	31	12	TIKAMGARH	3	0	0	4	0
DINDORI	0	0	0	1	0	UJJAIN	5	0	0	14	8
EAST NIMAR	14	6	5	5	2	UMARIA	0	1	0	0	1
GUNA	49	2	49	353	493	VIDESHA	95	19	25	74	70
GWALIOR	408	13	13	77	32	WEST NIMAR	26	2	2	21	4
HARDA	12	19	7	26	8	Total	3564	1082	830	2995	1780
HOSHANGABAD	478	211	113	326	100						
INDORE	3	0	0	12	12						
JABALPUR	106	34	29	73	60						
JHABUA	0	0	0	0	0						
KATNI	59	4	5	18	7						
MANDLA	16	31	5	11	1						
MANDSAUR	8	0	0	2	16						
MORENA	44	18	8	43	35						
NARSHIMAPURA	56	29	40	32	45						
NIMACH	0	0	0	0	1						

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023 and 2024
(Period: 15 September-31 October)

Number of Paddy Residue Burning Events Detected

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

25-Sep	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0
26-Sep	0	0	0	1	0	1	0	0	0	0	2	0	0	0	2
27-Sep	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
29-Sep	0	0	0	0	0	3	0	0	6	0	0	4	0	5	0
30-Sep	1	0	0	0	0	1	0	0	4	2	5	0	0	11	0
01-Oct	0	0	0	0	0	4	1	1	4	1	13	0	1	8	3
02-Oct	1	0	0	0	0	7	0	3	4	3	12	0	1	1	0
03-Oct	0	0	0	0	0	9	0	2	5	0	5	1	5	5	2
04-Oct	0	0	0	0	0	15	0	0	22	0	4	2	0	12	0
05-Oct	0	0	2	0	0	14	0	1	11	2	13	1	0	18	2
06-Oct	1	0	0	0	0	16	0	0	9	1	37	1	0	7	12
07-Oct	0	0	0	0	0	14	1	1	7	4	31	1	0	9	17
08-Oct	0	0	0	0	0	11	0	0	9	1	17	2	0	18	7
09-Oct	0	0	0	0	0	12	0	0	17	1	15	4	0	24	2
10-Oct	0	0	0	0	3	14	1	0	26	3	18	10	0	52	1
11-Oct	0	0	0	1	0	21	7	1	21	6	32	2	0	24	17
12-Oct	0	0	0	0	2	24	1	2	1	13	44	1	1	1	5
13-Oct	0	0	0	0	1	7	5	2	28	10	21	2	7	32	5
14-Oct	0	0	0	0	1	16	1	1	15	20	15	11	1	26	7
15-Oct	0	0	0	0	0	9	8	2	34	23	8	27	2	66	11
16-Oct	1	0	0	0	1	12	2	4	18	100	23	13	2	51	112
17-Oct	0	0	0	0	0	26	0	4	12	16	63	1	11	31	51
18-Oct	0	0	1	0	3	37	2	12	11	30	88	0	15	13	71
19-Oct	0	0	0	0	0	27	5	12	31	25	49	1	12	65	46
20-Oct	0	0	0	0	0	26	4	4	57	11	9	21	7	131	24
21-Oct	2	0	0	0	0	32	2	6	34	21	112	30	18	147	53
22-Oct	0	0	0	0	0	29	5	12	57	36	183	29	31	119	93
23-Oct	1	0	0	0	0	23	7	20	29	50	204	32	70	89	194
24-Oct	0	0	2	0	0	20	4	7	38	11	150	34	26	132	32
25-Oct	1	0	0	0	0	18	2	4	47	49	144	60	0	159	94
26-Oct	0	0	0	0	1	34	3	21	59	54	178	55	57	320	170
27-Oct	0	0	0	0	0	42	1	21	73	60	294	62	38	256	130
28-Oct	0	0	0	0	0	45	4	46	12	65	537	110	143	202	160
29-Oct	0	0	0	0	0	29	23	37	73	93	349	97	151	372	175
30-Oct	0	0	0	0	0	17	20	55	37	89	428	168	119	224	131
31-Oct	0	0	0	0	0	37	15	36	33	85	455	299	112	360	145

Total	8	0	5	2	12	656	124	318	844	888	3564	1082	830	2995	1780
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Details of residue burning events in Punjab on 31-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.81209	74.81640	14:12:03	D	4.90
2	AMRITSAR	AJNALA	S-NPP	31.86669	74.71690	14:12:03	D	3.30
3	AMRITSAR	AJNALA	S-NPP	31.87004	74.71537	14:12:03	D	4.50
4	AMRITSAR	AJNALA	S-NPP	31.87033	74.71931	14:12:03	D	8.60
5	AMRITSAR	AJNALA	S-NPP	31.87207	74.71639	14:12:03	D	3.30
6	AMRITSAR	AJNALA	S-NPP	31.88365	74.80731	14:12:03	D	2.30
7	AMRITSAR	AJNALA	S-NPP	31.94808	74.79343	14:12:03	D	3.60
8	AMRITSAR	AJNALA	S-NPP	31.95264	74.78098	14:12:03	D	1.80
9	AMRITSAR	AJNALA	S-NPP	31.96895	74.85624	14:12:03	D	4.40
10	AMRITSAR	ATTARI	AQUA	31.53700	74.85000	14:09:41	D	9.00
11	AMRITSAR	ATTARI	AQUA	31.64100	74.55900	14:09:41	D	9.70
12	AMRITSAR	ATTARI	S-NPP	31.53630	74.84246	14:12:03	D	8.90
13	AMRITSAR	ATTARI	S-NPP	31.58447	74.80212	14:12:03	D	3.30
14	AMRITSAR	ATTARI	S-NPP	31.60561	74.73023	12:31:45	D	9.00
15	AMRITSAR	ATTARI	S-NPP	31.61401	74.61070	14:12:03	D	1.60
16	AMRITSAR	ATTARI	S-NPP	31.63146	74.62849	14:12:03	D	2.40
17	AMRITSAR	ATTARI	S-NPP	31.63219	74.56646	14:12:03	D	1.60
18	AMRITSAR	ATTARI	S-NPP	31.63527	74.56491	14:12:03	D	1.80
19	AMRITSAR	ATTARI	S-NPP	31.64592	74.56389	14:12:03	D	4.40
20	AMRITSAR	ATTARI	S-NPP	31.64700	74.54967	14:12:03	D	1.90
21	AMRITSAR	ATTARI	S-NPP	31.64817	74.56498	14:12:03	D	2.60
22	AMRITSAR	CHOGAWAN	S-NPP	31.68926	74.64536	14:12:03	D	3.50
23	AMRITSAR	MAJITHA	AQUA	31.74600	75.14400	14:09:41	D	7.50
24	AMRITSAR	RAYYA	AQUA	31.62600	75.27900	14:09:41	D	11.60
25	AMRITSAR	RAYYA	AQUA	31.62800	75.23600	14:09:41	D	11.60
26	AMRITSAR	RAYYA	AQUA	31.62800	75.29200	14:09:41	D	8.40
27	AMRITSAR	TARSIKKA	S-NPP	31.63965	75.04419	14:12:03	D	2.30

28	AMRITSAR	TARSIKKA	S-NPP	31.67636	75.09821	14:12:03	D	4.70
29	AMRITSAR	TARSIKKA	S-NPP	31.67664	75.09893	14:12:03	D	4.60
30	BARNALA	BARNALA	AQUA	30.18600	75.50000	14:09:41	D	8.00
31	BARNALA	BARNALA	AQUA	30.34200	75.62100	14:09:41	D	13.10
32	BARNALA	BARNALA	AQUA	30.34300	75.62700	14:09:41	D	36.10
33	BARNALA	BARNALA	AQUA	30.34400	75.63400	14:09:41	D	27.10
34	BARNALA	BARNALA	S-NPP	30.16125	75.49883	14:12:03	D	2.40
35	BARNALA	BARNALA	S-NPP	30.22957	75.59393	14:12:03	D	5.30
36	BARNALA	BARNALA	S-NPP	30.23322	75.59319	14:12:03	D	2.30
37	BARNALA	BARNALA	S-NPP	30.33704	75.63104	14:12:03	D	7.30
38	BARNALA	BARNALA	S-NPP	30.33929	75.60580	14:12:03	D	7.10
39	BARNALA	BARNALA	S-NPP	30.34080	75.60506	14:12:03	D	5.30
40	BARNALA	BARNALA	S-NPP	30.34096	75.63136	14:12:03	D	17.60
41	BARNALA	BARNALA	S-NPP	30.34264	75.63055	14:12:03	D	7.30
42	BARNALA	BARNALA	S-NPP	30.35569	75.51521	14:12:03	D	1.90
43	BARNALA	MAHAL KALAN	S-NPP	30.55083	75.46124	12:31:45	D	4.90
44	BATHINDA	BATHINDA	AQUA	30.25000	74.82800	14:09:41	D	11.60
45	BATHINDA	BATHINDA	S-NPP	30.09151	74.97770	14:12:03	D	3.50
46	BATHINDA	BATHINDA	S-NPP	30.09423	74.97794	14:12:03	D	5.30
47	BATHINDA	BATHINDA	S-NPP	30.09454	74.98179	14:12:03	D	6.00
48	BATHINDA	BATHINDA	S-NPP	30.14159	74.99627	14:12:03	D	7.10
49	BATHINDA	BATHINDA	S-NPP	30.14188	75.00013	14:12:03	D	16.40
50	BATHINDA	BATHINDA	S-NPP	30.25007	74.82690	14:12:03	D	5.30
51	BATHINDA	BATHINDA	S-NPP	30.25036	74.83069	14:12:03	D	5.30
52	BATHINDA	BATHINDA	S-NPP	30.25541	74.82639	14:12:03	D	3.60
53	BATHINDA	BATHINDA	S-NPP	30.25569	74.83018	14:12:03	D	3.60
54	BATHINDA	BHAGTA BHAI KA	S-NPP	30.49538	75.07181	14:12:03	D	1.40
55	BATHINDA	MAUR	AQUA	30.01400	75.24200	14:09:41	D	8.00
56	BATHINDA	MAUR	S-NPP	30.09489	75.12665	14:12:03	D	2.50
57	BATHINDA	MAUR	S-NPP	30.12881	75.19493	14:12:03	D	5.80
58	BATHINDA	NATHANA	S-NPP	30.17742	75.03982	14:12:03	D	2.70
59	BATHINDA	RAMPURA	AQUA	30.29400	75.30200	14:09:41	D	9.50
60	BATHINDA	RAMPURA	S-NPP	30.15261	75.22084	14:12:03	D	3.00

61	BATHINDA	RAMPURA	S-NPP	30.15514	75.15409	12:31:45	D	8.90
62	BATHINDA	RAMPURA	S-NPP	30.15893	75.24410	12:31:45	D	7.10
63	BATHINDA	RAMPURA	S-NPP	30.29722	75.31234	14:12:03	D	2.90
64	BATHINDA	SANGAT	AQUA	30.08800	74.95800	14:09:41	D	9.80
65	BATHINDA	SANGAT	S-NPP	29.97377	74.88173	14:12:03	D	5.40
66	BATHINDA	SANGAT	S-NPP	29.97612	74.88083	14:12:03	D	3.40
67	BATHINDA	TALWANDI SABO	AQUA	29.81100	75.15300	14:09:41	D	11.70
68	BATHINDA	TALWANDI SABO	S-NPP	29.81002	75.15226	14:12:03	D	5.90
69	BATHINDA	TALWANDI SABO	S-NPP	29.81030	75.15617	14:12:03	D	8.20
70	BATHINDA	TALWANDI SABO	S-NPP	29.82751	75.13949	12:31:45	D	6.20
71	BATHINDA	TALWANDI SABO	S-NPP	30.04063	75.05690	14:12:03	D	4.30
72	FARIDKOT	FARIDKOT	AQUA	30.80200	74.66900	14:09:41	D	13.80
73	FARIDKOT	FARIDKOT	AQUA	30.80500	74.68400	14:09:41	D	28.80
74	FARIDKOT	FARIDKOT	S-NPP	30.63508	74.70164	14:12:03	D	1.30
75	FARIDKOT	FARIDKOT	S-NPP	30.70773	74.54372	14:12:03	D	2.00
76	FARIDKOT	FARIDKOT	S-NPP	30.74995	74.61086	14:12:03	D	3.00
77	FARIDKOT	FARIDKOT	S-NPP	30.75023	74.61460	14:12:03	D	3.00
78	FARIDKOT	FARIDKOT	S-NPP	30.80665	74.68014	14:12:03	D	5.60
79	FARIDKOT	FARIDKOT	S-NPP	30.80692	74.68393	14:12:03	D	5.60
80	FARIDKOT	FARIDKOT	S-NPP	30.80875	74.68104	14:12:03	D	10.80
81	FARIDKOT	JAITON	S-NPP	30.53783	74.96722	12:31:45	D	7.50
82	FATEHGARH SAHIB	AMLOH	AQUA	30.56400	76.18200	14:09:41	D	7.80
83	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.67900	76.41800	14:09:41	D	14.30
84	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.68100	76.43000	14:09:41	D	50.90
85	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.68300	76.44200	14:09:41	D	17.90
86	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.68800	76.41600	14:09:41	D	24.70
87	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.70800	76.47400	14:09:41	D	8.20
88	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67072	76.42732	14:12:03	D	3.30
89	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67200	76.41472	12:31:45	D	11.70
90	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67343	76.42005	12:31:45	D	18.30
91	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67374	76.41716	12:31:45	D	20.20
92	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67721	76.43652	14:12:03	D	6.90
93	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68188	76.41680	14:12:03	D	33.90

94	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68219	76.42162	14:12:03	D	42.70
95	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68310	76.43607	14:12:03	D	12.90
96	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68623	76.39230	14:12:03	D	2.20
97	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70300	76.43298	12:31:45	D	6.50
98	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70441	76.43829	12:31:45	D	6.50
99	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70583	76.44359	12:31:45	D	6.90
100	FATEHGARH SAHIB	KHERA	AQUA	30.59600	76.48100	14:09:41	D	8.00
101	FATEHGARH SAHIB	KHERA	AQUA	30.59800	76.49300	14:09:41	D	10.00
102	FATEHGARH SAHIB	KHERA	AQUA	30.61600	76.42600	14:09:41	D	10.40
103	FATEHGARH SAHIB	KHERA	AQUA	30.62000	76.56300	14:09:41	D	9.40
104	FATEHGARH SAHIB	KHERA	S-NPP	30.59945	76.49172	14:12:03	D	4.60
105	FATEHGARH SAHIB	KHERA	S-NPP	30.60352	76.49087	14:12:03	D	2.00
106	FATEHGARH SAHIB	KHERA	S-NPP	30.60603	76.43243	14:12:03	D	4.90
107	FATEHGARH SAHIB	KHERA	S-NPP	30.60749	76.43288	14:12:03	D	6.30
108	FATEHGARH SAHIB	KHERA	S-NPP	30.61162	76.42715	14:12:03	D	5.60
109	FATEHGARH SAHIB	KHERA	S-NPP	30.61305	76.42763	14:12:03	D	3.90
110	FATEHGARH SAHIB	SIRHIND	AQUA	30.49000	76.46100	14:09:41	D	13.60
111	FATEHGARH SAHIB	SIRHIND	AQUA	30.54200	76.36000	14:09:41	D	10.10
112	FATEHGARH SAHIB	SIRHIND	AQUA	30.57600	76.44100	14:09:41	D	6.50
113	FATEHGARH SAHIB	SIRHIND	S-NPP	30.49748	76.47054	14:12:03	D	5.30
114	FATEHGARH SAHIB	SIRHIND	S-NPP	30.49951	76.46959	14:12:03	D	4.40
115	FATEHGARH SAHIB	SIRHIND	S-NPP	30.57535	76.39203	14:12:03	D	5.50
116	FATEHGARH SAHIB	SIRHIND	S-NPP	30.57565	76.39681	14:12:03	D	7.80
117	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60516	76.42953	12:31:45	D	3.10
118	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.28289	74.29336	14:12:03	D	3.10
119	FAZILKA	KHUIAN SARWAR	S-NPP	30.29342	73.97497	14:12:03	D	5.50
120	FIROZPUR	FIROZPUR	AQUA	30.85900	74.53800	14:09:41	D	16.20
121	FIROZPUR	FIROZPUR	AQUA	30.96400	74.53700	14:09:41	D	9.50
122	FIROZPUR	FIROZPUR	AQUA	31.04200	74.57500	14:09:41	D	10.30
123	FIROZPUR	FIROZPUR	AQUA	31.04400	74.76200	14:09:41	D	17.20
124	FIROZPUR	FIROZPUR	AQUA	31.05600	74.71300	14:09:41	D	8.10
125	FIROZPUR	FIROZPUR	S-NPP	30.82388	74.55000	14:12:03	D	3.50
126	FIROZPUR	FIROZPUR	S-NPP	30.82690	74.59102	14:12:03	D	3.10

127	FIROZPUR	FIROZPUR	S-NPP	30.95687	74.56097	14:12:03	D	6.20
128	FIROZPUR	FIROZPUR	S-NPP	30.95857	74.65561	14:12:03	D	14.90
129	FIROZPUR	FIROZPUR	S-NPP	30.95885	74.65940	14:12:03	D	15.20
130	FIROZPUR	FIROZPUR	S-NPP	31.04474	74.76608	14:12:03	D	6.10
131	FIROZPUR	FIROZPUR	S-NPP	31.04502	74.76994	14:12:03	D	6.10
132	FIROZPUR	FIROZPUR	S-NPP	31.05019	74.69196	14:12:03	D	3.90
133	FIROZPUR	GHALL KHURD	AQUA	30.77200	74.86300	14:09:41	D	8.70
134	FIROZPUR	GHALL KHURD	AQUA	30.85000	74.66800	14:09:41	D	13.40
135	FIROZPUR	GHALL KHURD	AQUA	30.85000	74.83900	14:09:41	D	9.60
136	FIROZPUR	GHALL KHURD	AQUA	30.85300	74.68300	14:09:41	D	11.40
137	FIROZPUR	GHALL KHURD	AQUA	30.89400	74.84300	14:09:41	D	8.20
138	FIROZPUR	GHALL KHURD	AQUA	30.89600	74.85800	14:09:41	D	10.30
139	FIROZPUR	GHALL KHURD	AQUA	30.90600	74.79400	14:09:41	D	26.50
140	FIROZPUR	GHALL KHURD	AQUA	30.91900	74.70600	14:09:41	D	7.60
141	FIROZPUR	GHALL KHURD	AQUA	31.00800	74.77700	14:09:41	D	104.60
142	FIROZPUR	GHALL KHURD	S-NPP	30.76892	74.86604	14:12:03	D	3.90
143	FIROZPUR	GHALL KHURD	S-NPP	30.81964	74.86434	14:12:03	D	1.60
144	FIROZPUR	GHALL KHURD	S-NPP	30.86124	74.69404	14:12:03	D	1.10
145	FIROZPUR	GHALL KHURD	S-NPP	30.89492	74.85732	14:12:03	D	3.20
146	FIROZPUR	GHALL KHURD	S-NPP	30.90666	74.79774	14:12:03	D	21.10
147	FIROZPUR	GHALL KHURD	S-NPP	30.90696	74.80160	14:12:03	D	25.90
148	FIROZPUR	GHALL KHURD	S-NPP	30.94106	74.78440	14:12:03	D	4.70
149	FIROZPUR	GHALL KHURD	S-NPP	30.98164	74.74956	14:12:03	D	6.10
150	FIROZPUR	GHALL KHURD	S-NPP	30.99883	74.76347	14:12:03	D	3.10
151	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61452	74.42783	14:12:03	D	11.30
152	FIROZPUR	GURUHAR SAHAI	S-NPP	30.64854	74.39166	14:12:03	D	1.80
153	FIROZPUR	GURUHAR SAHAI	S-NPP	30.66787	74.50352	14:12:03	D	5.60
154	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67490	74.45861	14:12:03	D	2.40
155	FIROZPUR	MAKHU	S-NPP	31.04486	74.84428	14:12:03	D	3.20
156	FIROZPUR	MAKHU	S-NPP	31.11338	74.81830	14:12:03	D	5.30
157	FIROZPUR	MAKHU	S-NPP	31.13234	75.07632	14:12:03	D	2.10
158	FIROZPUR	MAKHU	S-NPP	31.13843	74.86323	14:12:03	D	5.40
159	FIROZPUR	MAMDOT	AQUA	30.79100	74.41000	14:09:41	D	11.50

160	FIROZPUR	MAMDOT	AQUA	30.85700	74.52300	14:09:41	D	38.80
161	FIROZPUR	MAMDOT	S-NPP	30.78061	74.52547	14:12:03	D	1.80
162	FIROZPUR	MAMDOT	S-NPP	30.79309	74.41939	14:12:03	D	2.50
163	FIROZPUR	MAMDOT	S-NPP	30.79787	74.34212	14:12:03	D	1.60
164	FIROZPUR	MAMDOT	S-NPP	30.81873	74.39547	12:31:45	D	11.90
165	FIROZPUR	MAMDOT	S-NPP	30.85278	74.37316	14:12:03	D	2.80
166	FIROZPUR	MAMDOT	S-NPP	30.85940	74.52784	14:12:03	D	6.20
167	FIROZPUR	MAMDOT	S-NPP	30.85968	74.53155	14:12:03	D	10.40
168	FIROZPUR	MAMDOT	S-NPP	30.86467	74.52734	14:12:03	D	7.70
169	FIROZPUR	MAMDOT	S-NPP	30.92468	74.48541	14:12:03	D	4.30
170	FIROZPUR	MAMDOT	S-NPP	30.94601	74.48705	14:12:03	D	1.90
171	FIROZPUR	ZIRA	AQUA	30.89000	74.99600	14:09:41	D	100.00
172	FIROZPUR	ZIRA	AQUA	30.90000	74.99300	14:09:41	D	43.20
173	FIROZPUR	ZIRA	AQUA	30.90500	74.96200	14:09:41	D	13.20
174	FIROZPUR	ZIRA	S-NPP	30.89421	74.99575	14:12:03	D	23.00
175	FIROZPUR	ZIRA	S-NPP	30.89450	74.99972	14:12:03	D	30.00
176	FIROZPUR	ZIRA	S-NPP	30.90651	75.01465	14:12:03	D	5.50
177	FIROZPUR	ZIRA	S-NPP	30.95590	74.90690	12:31:45	D	12.50
178	FIROZPUR	ZIRA	S-NPP	30.95694	74.93208	14:12:03	D	4.10
179	FIROZPUR	ZIRA	S-NPP	30.95722	74.93602	14:12:03	D	4.10
180	FIROZPUR	ZIRA	S-NPP	30.96020	74.94736	12:31:45	D	9.80
181	FIROZPUR	ZIRA	S-NPP	31.00971	75.07466	12:31:45	D	4.60
182	FIROZPUR	ZIRA	S-NPP	31.03572	74.86873	14:12:03	D	7.70
183	FIROZPUR	ZIRA	S-NPP	31.03897	74.86531	14:12:03	D	3.80
184	FIROZPUR	ZIRA	S-NPP	31.03927	74.86923	14:12:03	D	6.00
185	GURDASPUR	BATALA	AQUA	31.80900	75.26300	14:09:41	D	9.00
186	GURDASPUR	BATALA	AQUA	31.89700	75.17900	14:09:41	D	13.10
187	GURDASPUR	BATALA	S-NPP	31.80947	75.27276	14:12:03	D	4.80
188	GURDASPUR	BATALA	S-NPP	31.81049	75.27211	14:12:03	D	6.20
189	GURDASPUR	BATALA	S-NPP	31.89257	75.18044	14:12:03	D	4.10
190	GURDASPUR	BATALA	S-NPP	31.89693	75.17770	14:12:03	D	4.80
191	GURDASPUR	BATALA	S-NPP	31.89720	75.18192	14:12:03	D	4.80
192	GURDASPUR	BATALA	S-NPP	31.89810	75.17998	14:12:03	D	4.10

193	GURDASPUR	DERA BABA NANAK	AQUA	32.01600	75.08600	14:09:41	D	7.80
194	GURDASPUR	DERA BABA NANAK	AQUA	32.04400	75.07300	14:09:41	D	18.30
195	GURDASPUR	KAHNUWAN	AQUA	31.79500	75.53600	14:09:41	D	8.10
196	GURDASPUR	KAHNUWAN	S-NPP	31.85101	75.39452	14:12:03	D	3.60
197	GURDASPUR	QADIAN	AQUA	31.76000	75.33800	14:09:41	D	17.20
198	GURDASPUR	QADIAN	AQUA	31.76500	75.30900	14:09:41	D	6.80
199	GURDASPUR	QADIAN	AQUA	31.81200	75.27700	14:09:41	D	12.10
200	GURDASPUR	QADIAN	S-NPP	31.76477	75.34036	14:12:03	D	7.00
201	GURDASPUR	QADIAN	S-NPP	31.76861	75.31421	14:12:03	D	3.40
202	GURDASPUR	QADIAN	S-NPP	31.81503	75.27228	14:12:03	D	4.80
203	GURDASPUR	SRI HARGOBINDPUR	AQUA	31.69100	75.41600	14:09:41	D	7.50
204	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71070	75.28496	14:12:03	D	3.60
205	HOSHIARPUR	TANDA	AQUA	31.60800	75.59400	14:09:41	D	83.00
206	HOSHIARPUR	TANDA	AQUA	31.63500	75.57400	14:09:41	D	12.70
207	HOSHIARPUR	TANDA	AQUA	31.63800	75.58000	14:09:41	D	9.20
208	HOSHIARPUR	TANDA	S-NPP	31.60558	75.59019	14:12:03	D	21.80
209	HOSHIARPUR	TANDA	S-NPP	31.60588	75.59460	14:12:03	D	21.80
210	HOSHIARPUR	TANDA	S-NPP	31.60843	75.59077	14:12:03	D	5.80
211	HOSHIARPUR	TANDA	S-NPP	31.63587	75.57515	14:12:03	D	3.50
212	JALANDHAR	BHOGPUR	AQUA	31.59100	75.61200	14:09:41	D	10.40
213	JALANDHAR	BHOGPUR	S-NPP	31.59517	75.60432	14:12:03	D	13.90
214	JALANDHAR	LOHIAN	S-NPP	31.13917	75.24877	14:12:03	D	4.00
215	JALANDHAR	MEHATPUR	AQUA	30.99100	75.43600	14:09:41	D	28.60
216	JALANDHAR	MEHATPUR	AQUA	31.07200	75.42300	14:09:41	D	14.40
217	JALANDHAR	NUR MAHAL	S-NPP	31.03615	75.71214	01:21:46	N	1.20
218	JALANDHAR	SHAHKOT	S-NPP	31.12784	75.32517	14:12:03	D	1.90
219	KAPURTHALA	DHILWAN	AQUA	31.39500	75.20600	14:09:41	D	22.60
220	KAPURTHALA	DHILWAN	S-NPP	31.39628	75.20558	14:12:03	D	6.40
221	KAPURTHALA	DHILWAN	S-NPP	31.39655	75.20973	14:12:03	D	9.30
222	KAPURTHALA	DHILWAN	S-NPP	31.40179	75.20508	14:12:03	D	6.40
223	KAPURTHALA	NADALA	AQUA	31.57400	75.39600	14:09:41	D	14.00
224	KAPURTHALA	NADALA	AQUA	31.58900	75.59900	14:09:41	D	16.40
225	KAPURTHALA	NADALA	AQUA	31.59600	75.58300	14:09:41	D	19.70

226	KAPURTHALA	NADALA	AQUA	31.60600	75.58100	14:09:41	D	33.50
227	KAPURTHALA	NADALA	AQUA	31.61200	75.49800	14:09:41	D	19.00
228	KAPURTHALA	NADALA	S-NPP	31.57536	75.39568	14:12:03	D	4.00
229	KAPURTHALA	NADALA	S-NPP	31.57977	75.46037	14:12:03	D	4.90
230	KAPURTHALA	NADALA	S-NPP	31.59487	75.59990	14:12:03	D	13.90
231	KAPURTHALA	NADALA	S-NPP	31.59933	75.58182	14:12:03	D	10.30
232	KAPURTHALA	NADALA	S-NPP	31.59963	75.58623	14:12:03	D	10.30
233	KAPURTHALA	NADALA	S-NPP	31.60223	75.58240	14:12:03	D	13.70
234	KAPURTHALA	NADALA	S-NPP	31.60251	75.58682	14:12:03	D	13.70
235	KAPURTHALA	NADALA	S-NPP	31.60278	75.59125	14:12:03	D	45.30
236	KAPURTHALA	NADALA	S-NPP	31.60461	75.49326	14:12:03	D	4.70
237	KAPURTHALA	NADALA	S-NPP	31.60732	75.53259	14:12:03	D	4.80
238	KAPURTHALA	NADALA	S-NPP	31.60778	75.48929	14:12:03	D	9.10
239	KAPURTHALA	NADALA	S-NPP	31.60805	75.49364	14:12:03	D	10.00
240	KAPURTHALA	NADALA	S-NPP	31.60993	75.48842	14:12:03	D	5.00
241	KAPURTHALA	NADALA	S-NPP	31.61024	75.49277	14:12:03	D	6.80
242	KAPURTHALA	NADALA	S-NPP	31.61024	75.52862	14:12:03	D	5.30
243	KAPURTHALA	NADALA	S-NPP	31.64263	75.50384	14:12:03	D	3.40
244	KAPURTHALA	PHAGWARA	AQUA	31.26400	75.81000	14:09:41	D	8.20
245	KAPURTHALA	PHAGWARA	S-NPP	31.25983	75.80785	14:12:03	D	4.20
246	KAPURTHALA	SULTANPUR LODHI	AQUA	31.19600	75.07900	14:09:41	D	13.10
247	KAPURTHALA	SULTANPUR LODHI	AQUA	31.22800	75.31600	14:09:41	D	10.50
248	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.18632	75.13616	12:31:45	D	6.90
249	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.18686	75.14006	12:31:45	D	12.20
250	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.18801	75.14231	12:31:45	D	6.90
251	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.18924	75.12156	12:31:45	D	4.40
252	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.23319	75.32473	14:12:03	D	6.20
253	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.23347	75.32892	14:12:03	D	6.20
254	LUDHIANA	KHANNA	AQUA	30.59300	76.05800	14:09:41	D	8.40
255	LUDHIANA	MACHHIWARA	AQUA	30.81700	76.27900	14:09:41	D	7.60
256	LUDHIANA	MACHHIWARA	S-NPP	30.81871	76.28181	14:12:03	D	6.80
257	LUDHIANA	MALoud	AQUA	30.59100	76.04500	14:09:41	D	25.80
258	LUDHIANA	MALoud	AQUA	30.64900	75.95900	14:09:41	D	8.00

259	LUDHIANA	MALLOUD	S-NPP	30.64682	75.96554	14:12:03	D	2.90
260	LUDHIANA	PAKHOWAL	S-NPP	30.68173	75.79127	12:31:45	D	3.60
261	LUDHIANA	PAKHOWAL	S-NPP	30.80951	75.77356	14:12:03	D	3.00
262	LUDHIANA	RAIKOT	AQUA	30.66000	75.61000	14:09:41	D	13.70
263	LUDHIANA	RAIKOT	S-NPP	30.65995	75.61469	14:12:03	D	5.20
264	LUDHIANA	RAIKOT	S-NPP	30.66258	75.61484	14:12:03	D	5.60
265	MALERKOTLA	MALERKOTLA	S-NPP	30.57236	75.90978	14:12:03	D	3.50
266	MALERKOTLA	MALERKOTLA	S-NPP	30.57446	75.91292	14:12:03	D	5.60
267	MANSA	BHIKHI	AQUA	30.09000	75.54400	14:09:41	D	29.70
268	MANSA	BHIKHI	S-NPP	30.01176	75.56494	14:12:03	D	7.80
269	MANSA	BHIKHI	S-NPP	30.01206	75.56911	14:12:03	D	10.70
270	MANSA	BHIKHI	S-NPP	30.09256	75.54244	14:12:03	D	7.20
271	MANSA	BHIKHI	S-NPP	30.09272	75.46730	14:12:03	D	2.30
272	MANSA	BHIKHI	S-NPP	30.09885	75.47507	14:12:03	D	3.80
273	MANSA	BHIKHI	S-NPP	30.11023	75.47823	14:12:03	D	4.90
274	MANSA	BHIKHI	S-NPP	30.11576	75.47775	14:12:03	D	6.90
275	MANSA	BHIKHI	S-NPP	30.13821	75.48832	14:12:03	D	2.70
276	MANSA	BHIKHI	S-NPP	30.13883	75.48821	14:12:03	D	2.40
277	MANSA	BUDHLADA	AQUA	29.86900	75.75600	14:09:41	D	8.30
278	MANSA	BUDHLADA	AQUA	29.88100	75.47700	14:09:41	D	11.00
279	MANSA	BUDHLADA	AQUA	29.96900	75.56400	14:09:41	D	11.80
280	MANSA	BUDHLADA	AQUA	29.97200	75.57800	14:09:41	D	7.40
281	MANSA	BUDHLADA	S-NPP	29.77551	75.42951	12:31:45	D	14.10
282	MANSA	BUDHLADA	S-NPP	29.96758	75.57303	14:12:03	D	6.40
283	MANSA	BUDHLADA	S-NPP	30.00954	75.61145	14:12:03	D	7.70
284	MANSA	JHUNIR	S-NPP	29.78486	75.33542	12:31:45	D	3.50
285	MANSA	JHUNIR	S-NPP	29.87728	75.32152	14:12:03	D	2.90
286	MANSA	JHUNIR	S-NPP	29.89003	75.34462	14:12:03	D	3.20
287	MANSA	MANSA	AQUA	29.90400	75.36900	14:09:41	D	12.60
288	MANSA	MANSA	S-NPP	29.90648	75.41644	14:12:03	D	2.00
289	MANSA	MANSA	S-NPP	29.90661	75.41666	14:12:03	D	3.00
290	MANSA	MANSA	S-NPP	29.94718	75.44176	14:12:03	D	3.30
291	MANSA	MANSA	S-NPP	29.96482	75.37859	14:12:03	D	1.80

292	MANSA	MANSA	S-NPP	29.98041	75.36496	14:12:03	D	3.90
293	MANSA	MANSA	S-NPP	30.05575	75.33895	14:12:03	D	4.10
294	MANSA	MANSA	S-NPP	30.05736	75.32565	12:31:45	D	5.00
295	MANSA	MANSA	S-NPP	30.05751	75.44143	14:12:03	D	4.40
296	MANSA	MANSA	S-NPP	30.05910	75.33194	12:31:45	D	8.00
297	MANSA	SARDULGARH	AQUA	29.71800	75.21100	14:09:41	D	10.20
298	MANSA	SARDULGARH	AQUA	29.72100	75.22500	14:09:41	D	13.10
299	MANSA	SARDULGARH	S-NPP	29.61603	75.24919	12:31:45	D	3.40
300	MANSA	SARDULGARH	S-NPP	29.67345	75.26485	14:12:03	D	1.60
301	MANSA	SARDULGARH	S-NPP	29.70406	75.30602	14:12:03	D	2.90
302	MANSA	SARDULGARH	S-NPP	29.70517	75.30585	14:12:03	D	2.40
303	MANSA	SARDULGARH	S-NPP	29.72064	75.21676	14:12:03	D	9.30
304	MANSA	SARDULGARH	S-NPP	29.72151	75.22857	14:12:03	D	1.90
305	MANSA	SARDULGARH	S-NPP	29.77365	75.33979	14:12:03	D	2.20
306	MANSA	SARDULGARH	S-NPP	29.79526	75.21822	12:31:45	D	6.90
307	MOGA	BAGHA PURANA	S-NPP	30.53670	75.11204	14:12:03	D	4.60
308	MOGA	BAGHA PURANA	S-NPP	30.57518	75.09447	14:12:03	D	3.50
309	MOGA	BAGHA PURANA	S-NPP	30.58032	75.08999	14:12:03	D	3.30
310	MOGA	MOGA 1	S-NPP	30.75921	75.16403	12:31:45	D	6.60
311	MOGA	MOGA 1	S-NPP	30.79623	75.20231	12:31:45	D	5.20
312	MOGA	MOGA 2	AQUA	30.79200	75.02500	14:09:41	D	10.80
313	MOGA	MOGA 2	S-NPP	30.88385	74.96735	12:31:45	D	5.40
314	MOGA	NIHAL SINGH	S-NPP	30.53456	75.30306	14:12:03	D	4.50
315	MOGA	NIHAL SINGH	S-NPP	30.53462	75.30135	14:12:03	D	4.50
316	MOGA	NIHAL SINGH	S-NPP	30.54310	75.19609	14:12:03	D	2.10
317	MOGA	NIHAL SINGH	S-NPP	30.54412	75.19817	14:12:03	D	3.20
318	MOGA	NIHAL SINGH	S-NPP	30.63725	75.27081	14:12:03	D	1.70
319	MOGA	NIHAL SINGH	S-NPP	30.63765	75.27152	14:12:03	D	1.50
320	MOGA	NIHAL SINGH	S-NPP	30.64166	75.33665	14:12:03	D	2.70
321	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.25324	74.53319	12:31:45	D	3.90
322	MUKTSAR	LAMBI	S-NPP	29.91188	74.60718	14:12:03	D	2.90
323	MUKTSAR	MALOUT	S-NPP	30.24689	74.31922	14:12:03	D	2.90
324	MUKTSAR	MALOUT	S-NPP	30.24834	74.31818	14:12:03	D	2.80

325	PATIALA	BHUNARHERI	AQUA	30.24400	76.53700	14:09:41	D	9.10
326	PATIALA	BHUNARHERI	S-NPP	30.22960	76.50502	12:31:45	D	2.50
327	PATIALA	GHANAUR	AQUA	30.36700	76.65200	14:09:41	D	8.30
328	PATIALA	GHANAUR	S-NPP	30.36466	76.65440	14:12:03	D	5.40
329	PATIALA	GHANAUR	S-NPP	30.37095	76.65067	12:31:45	D	6.60
330	PATIALA	GHANAUR	S-NPP	30.37133	76.65047	12:31:45	D	5.20
331	PATIALA	NABHA	AQUA	30.34800	76.00800	14:09:41	D	25.10
332	PATIALA	NABHA	AQUA	30.41200	76.20400	14:09:41	D	7.60
333	PATIALA	NABHA	AQUA	30.41400	76.21700	14:09:41	D	13.90
334	PATIALA	NABHA	AQUA	30.46200	76.32200	14:09:41	D	10.10
335	PATIALA	NABHA	AQUA	30.46300	76.13300	14:09:41	D	18.20
336	PATIALA	NABHA	AQUA	30.46500	76.31500	14:09:41	D	6.10
337	PATIALA	NABHA	S-NPP	30.41279	76.21523	14:12:03	D	19.50
338	PATIALA	NABHA	S-NPP	30.48038	76.09415	14:12:03	D	3.40
339	PATIALA	NABHA	S-NPP	30.48072	76.09438	14:12:03	D	3.60
340	PATIALA	NABHA	S-NPP	30.52427	76.27457	12:31:45	D	3.30
341	PATIALA	PATIALA	S-NPP	30.41073	76.37093	14:12:03	D	4.70
342	PATIALA	PATIALA	S-NPP	30.43027	76.47960	12:31:45	D	2.90
343	PATIALA	PATIALA	S-NPP	30.43697	76.43034	12:31:45	D	4.10
344	PATIALA	PATIALA	S-NPP	30.43858	76.44064	14:12:03	D	13.50
345	PATIALA	PATRAN	S-NPP	29.92893	76.03950	14:12:03	D	2.80
346	PATIALA	RAJPURA	AQUA	30.52500	76.69600	14:09:41	D	8.80
347	PATIALA	RAJPURA	AQUA	30.52800	76.56500	14:09:41	D	7.00
348	PATIALA	RAJPURA	S-NPP	30.54639	76.62614	12:31:45	D	3.30
349	PATIALA	RAJPURA	S-NPP	30.56627	76.50412	12:31:45	D	3.70
350	PATIALA	SAMANA	S-NPP	30.12748	76.21735	14:12:03	D	3.90
351	PATIALA	SAMANA	S-NPP	30.25644	76.26585	12:31:45	D	6.70
352	PATIALA	SANAUR	AQUA	30.19100	76.36400	14:09:41	D	8.20
353	PATIALA	SANAUR	AQUA	30.19300	76.35800	14:09:41	D	6.70
354	PATIALA	SANAUR	AQUA	30.31100	76.50200	14:09:41	D	9.20
355	PATIALA	SANAUR	S-NPP	30.17972	76.30148	14:12:03	D	3.20
356	PATIALA	SANAUR	S-NPP	30.18914	76.36303	14:12:03	D	5.20
357	PATIALA	SANAUR	S-NPP	30.18966	76.36182	14:12:03	D	4.90

358	SANGRUR	ANDANA	AQUA	29.78800	76.00200	14:09:41	D	8.30
359	SANGRUR	ANDANA	AQUA	29.79600	75.98600	14:09:41	D	9.70
360	SANGRUR	ANDANA	AQUA	29.81200	75.90100	14:09:41	D	25.80
361	SANGRUR	ANDANA	S-NPP	29.75488	76.03182	14:12:03	D	10.00
362	SANGRUR	ANDANA	S-NPP	29.77356	75.88490	14:12:03	D	12.00
363	SANGRUR	ANDANA	S-NPP	29.78758	76.00681	14:12:03	D	4.60
364	SANGRUR	ANDANA	S-NPP	29.78849	76.01063	12:31:45	D	6.50
365	SANGRUR	ANDANA	S-NPP	29.78942	76.00785	12:31:45	D	6.00
366	SANGRUR	ANDANA	S-NPP	29.79237	75.99310	14:12:03	D	5.60
367	SANGRUR	ANDANA	S-NPP	29.79557	75.87431	14:12:03	D	4.70
368	SANGRUR	ANDANA	S-NPP	29.80870	75.89935	14:12:03	D	9.10
369	SANGRUR	ANDANA	S-NPP	29.80901	75.90369	14:12:03	D	14.40
370	SANGRUR	BHAWANIGARH	AQUA	30.22400	75.94900	14:09:41	D	22.40
371	SANGRUR	BHAWANIGARH	AQUA	30.22700	75.96200	14:09:41	D	17.80
372	SANGRUR	BHAWANIGARH	AQUA	30.24800	76.02400	14:09:41	D	20.10
373	SANGRUR	BHAWANIGARH	AQUA	30.25000	76.03700	14:09:41	D	27.70
374	SANGRUR	BHAWANIGARH	S-NPP	30.22089	75.95602	14:12:03	D	11.40
375	SANGRUR	BHAWANIGARH	S-NPP	30.22178	76.05488	14:12:03	D	2.20
376	SANGRUR	BHAWANIGARH	S-NPP	30.22552	76.04888	12:31:45	D	6.20
377	SANGRUR	BHAWANIGARH	S-NPP	30.22659	75.95554	14:12:03	D	11.40
378	SANGRUR	BHAWANIGARH	S-NPP	30.22689	75.95998	14:12:03	D	14.90
379	SANGRUR	BHAWANIGARH	S-NPP	30.22719	75.96442	14:12:03	D	14.90
380	SANGRUR	BHAWANIGARH	S-NPP	30.23259	75.95949	14:12:03	D	3.70
381	SANGRUR	BHAWANIGARH	S-NPP	30.27397	76.15592	12:31:45	D	4.30
382	SANGRUR	BHAWANIGARH	S-NPP	30.27675	76.19173	12:31:45	D	4.70
383	SANGRUR	BHAWANIGARH	S-NPP	30.28061	76.19099	12:31:45	D	10.90
384	SANGRUR	BHAWANIGARH	S-NPP	30.28284	76.18958	12:31:45	D	4.70
385	SANGRUR	BHAWANIGARH	S-NPP	30.28841	76.12073	12:31:45	D	11.70
386	SANGRUR	BHAWANIGARH	S-NPP	30.29453	76.11861	12:31:45	D	11.70
387	SANGRUR	BHAWANIGARH	S-NPP	30.31887	76.02876	14:12:03	D	7.20
388	SANGRUR	DHURI	AQUA	30.39200	75.84300	14:09:41	D	12.00
389	SANGRUR	DHURI	AQUA	30.39400	75.85600	14:09:41	D	16.40
390	SANGRUR	DHURI	S-NPP	30.32101	75.80573	14:12:03	D	6.10

391	SANGRUR	DHURI	S-NPP	30.34575	75.77496	12:31:45	D	5.10
392	SANGRUR	DHURI	S-NPP	30.37581	75.96172	12:31:45	D	11.80
393	SANGRUR	DHURI	S-NPP	30.38955	75.85364	14:12:03	D	6.70
394	SANGRUR	DHURI	S-NPP	30.40675	75.94135	14:12:03	D	3.60
395	SANGRUR	DHURI	S-NPP	30.42172	75.99416	14:12:03	D	6.70
396	SANGRUR	DIRBA	S-NPP	30.07196	76.00603	14:12:03	D	2.00
397	SANGRUR	DIRBA	S-NPP	30.09678	76.01497	14:12:03	D	4.10
398	SANGRUR	LEHRA GAGA	AQUA	29.87300	75.89300	14:09:41	D	7.50
399	SANGRUR	LEHRA GAGA	S-NPP	29.95403	75.90874	14:12:03	D	3.10
400	SANGRUR	LEHRA GAGA	S-NPP	29.95556	75.88863	12:31:45	D	2.70
401	SANGRUR	LEHRA GAGA	S-NPP	29.95615	75.88504	12:31:45	D	3.30
402	SANGRUR	SANGRUR	AQUA	30.16500	75.67500	14:09:41	D	19.80
403	SANGRUR	SANGRUR	AQUA	30.16600	75.68100	14:09:41	D	46.10
404	SANGRUR	SANGRUR	AQUA	30.16700	75.68800	14:09:41	D	24.30
405	SANGRUR	SANGRUR	AQUA	30.18800	75.62700	14:09:41	D	7.50
406	SANGRUR	SANGRUR	AQUA	30.19200	75.71000	14:09:41	D	6.60
407	SANGRUR	SANGRUR	AQUA	30.28300	75.93500	14:09:41	D	8.80
408	SANGRUR	SANGRUR	S-NPP	30.16839	75.68464	14:12:03	D	18.00
409	SANGRUR	SANGRUR	S-NPP	30.17080	75.63734	14:12:03	D	2.00
410	SANGRUR	SANGRUR	S-NPP	30.18157	75.79606	14:12:03	D	3.10
411	SANGRUR	SANGRUR	S-NPP	30.18551	75.68745	14:12:03	D	4.70
412	SANGRUR	SANGRUR	S-NPP	30.19258	75.62693	14:12:03	D	5.00
413	SANGRUR	SANGRUR	S-NPP	30.19851	75.63762	12:31:45	D	3.10
414	SANGRUR	SANGRUR	S-NPP	30.22835	75.74519	12:31:45	D	8.50
415	SANGRUR	SANGRUR	S-NPP	30.22862	75.74865	12:31:45	D	12.50
416	SANGRUR	SANGRUR	S-NPP	30.22999	75.75111	12:31:45	D	8.50
417	SANGRUR	SANGRUR	S-NPP	30.26066	75.94287	12:31:45	D	4.40
418	SANGRUR	SHER PUR	AQUA	30.48500	75.73300	14:09:41	D	8.60
419	SANGRUR	SHER PUR	AQUA	30.50500	75.78300	14:09:41	D	8.20
420	SANGRUR	SHER PUR	S-NPP	30.37382	75.70168	14:12:03	D	4.20
421	SANGRUR	SHER PUR	S-NPP	30.47820	75.73630	14:12:03	D	2.50
422	SANGRUR	SHER PUR	S-NPP	30.48077	75.73589	14:12:03	D	3.80
423	SANGRUR	SUNAM	AQUA	30.03000	75.78900	14:09:41	D	26.00

424	SANGRUR	SUNAM	AQUA	30.04100	75.73100	14:09:41	D	19.40
425	SANGRUR	SUNAM	AQUA	30.10900	75.65300	14:09:41	D	9.50
426	SANGRUR	SUNAM	S-NPP	29.98588	75.75432	14:12:03	D	1.50
427	SANGRUR	SUNAM	S-NPP	30.02829	75.79390	14:12:03	D	5.80
428	SANGRUR	SUNAM	S-NPP	30.03053	75.74615	14:12:03	D	1.60
429	SANGRUR	SUNAM	S-NPP	30.03242	75.83883	12:31:45	D	6.30
430	SANGRUR	SUNAM	S-NPP	30.03299	75.76442	12:31:45	D	4.40
431	SANGRUR	SUNAM	S-NPP	30.03365	75.69182	12:31:45	D	7.50
432	SANGRUR	SUNAM	S-NPP	30.03387	75.84222	12:31:45	D	12.00
433	SANGRUR	SUNAM	S-NPP	30.03402	75.84476	12:31:45	D	6.30
434	SANGRUR	SUNAM	S-NPP	30.03463	75.77039	12:31:45	D	4.40
435	SANGRUR	SUNAM	S-NPP	30.03512	75.77261	12:31:45	D	7.00
436	SANGRUR	SUNAM	S-NPP	30.04394	75.73384	14:12:03	D	2.50
437	SANGRUR	SUNAM	S-NPP	30.05177	75.80492	14:12:03	D	3.10
438	SANGRUR	SUNAM	S-NPP	30.06426	75.78391	14:12:03	D	2.50
439	SANGRUR	SUNAM	S-NPP	30.06786	75.75329	14:12:03	D	1.90
440	SANGRUR	SUNAM	S-NPP	30.08333	75.77287	12:31:45	D	4.00
441	SANGRUR	SUNAM	S-NPP	30.10622	75.65549	14:12:03	D	3.30
442	SANGRUR	SUNAM	S-NPP	30.13672	75.71754	14:12:03	D	3.00
443	SANGRUR	SUNAM	S-NPP	30.13882	75.71699	14:12:03	D	2.20
444	SANGRUR	SUNAM	S-NPP	30.14547	75.69836	12:31:45	D	6.70
445	SANGRUR	SUNAM	S-NPP	30.14660	75.69920	12:31:45	D	5.00
446	SANGRUR	SUNAM	S-NPP	30.16077	75.70076	12:31:45	D	6.20
447	SAS NAGAR	DERABASSI	AQUA	30.44300	76.75700	14:09:41	D	6.80
448	SAS NAGAR	DERABASSI	AQUA	30.44900	76.76300	14:09:41	D	7.80
449	SAS NAGAR	DERABASSI	S-NPP	30.58121	76.77606	14:12:03	D	3.00
450	TARN TARAN	BHIKHIWIND	AQUA	31.37900	74.76600	14:09:41	D	8.10
451	TARN TARAN	BHIKHIWIND	S-NPP	31.31771	74.66141	14:12:03	D	6.00
452	TARN TARAN	BHIKHIWIND	S-NPP	31.36481	74.58507	12:31:45	D	2.90
453	TARN TARAN	BHIKHIWIND	S-NPP	31.36858	74.58139	12:31:45	D	4.00
454	TARN TARAN	GANDIWIND TATLA	AQUA	31.55000	74.74100	14:09:41	D	13.20
455	TARN TARAN	GANDIWIND TATLA	S-NPP	31.55399	74.75333	14:12:03	D	9.10
456	TARN TARAN	GANDIWIND TATLA	S-NPP	31.55685	74.75322	14:12:03	D	8.00

457	TARN TARAN	KHADUR SAHIB	AQUA	31.49200	75.17600	14:09:41	D	28.70
458	TARN TARAN	KHADUR SAHIB	S-NPP	31.40774	75.12940	14:12:03	D	3.10
459	TARN TARAN	KHADUR SAHIB	S-NPP	31.42824	75.18603	14:12:03	D	3.50
460	TARN TARAN	KHADUR SAHIB	S-NPP	31.43547	75.21049	14:12:03	D	5.20
461	TARN TARAN	KHADUR SAHIB	S-NPP	31.48813	75.17780	14:12:03	D	11.50
462	TARN TARAN	KHADUR SAHIB	S-NPP	31.48856	75.17641	14:12:03	D	5.60
463	TARN TARAN	KHADUR SAHIB	S-NPP	31.48886	75.18056	14:12:03	D	5.60
464	TARN TARAN	KHADUR SAHIB	S-NPP	31.52135	75.09583	14:12:03	D	3.90
465	TARN TARAN	PATTI	AQUA	31.21100	74.92600	14:09:41	D	12.20
466	TARN TARAN	PATTI	S-NPP	31.14080	74.86285	14:12:03	D	6.30
467	TARN TARAN	PATTI	S-NPP	31.16403	74.88444	14:12:03	D	3.80
468	TARN TARAN	PATTI	S-NPP	31.20583	74.93624	14:12:03	D	5.60
469	TARN TARAN	PATTI	S-NPP	31.32507	74.83292	14:12:03	D	1.60
470	TARN TARAN	TARN TARAN	AQUA	31.37400	74.79800	14:09:41	D	12.50
471	TARN TARAN	TARN TARAN	S-NPP	31.37373	74.79684	14:12:03	D	1.90
472	TARN TARAN	TARN TARAN	S-NPP	31.39756	74.75131	14:12:03	D	3.50
473	TARN TARAN	TARN TARAN	S-NPP	31.47253	74.99661	12:31:45	D	5.90
474	TARN TARAN	TARN TARAN	S-NPP	31.48030	74.81967	14:12:03	D	2.00
475	TARN TARAN	TARN TARAN	S-NPP	31.50097	74.88166	14:12:03	D	2.30
476	TARN TARAN	VALTOHA	AQUA	31.13100	74.67200	14:09:41	D	15.90
477	TARN TARAN	VALTOHA	AQUA	31.16300	74.66400	14:09:41	D	10.10
478	TARN TARAN	VALTOHA	S-NPP	31.08873	74.56232	14:12:03	D	2.70
479	TARN TARAN	VALTOHA	S-NPP	31.17743	74.54942	14:12:03	D	12.90
480	TARN TARAN	VALTOHA	S-NPP	31.17771	74.55317	14:12:03	D	12.60
481	TARN TARAN	VALTOHA	S-NPP	31.17919	74.71815	14:12:03	D	3.80
482	TARN TARAN	VALTOHA	S-NPP	31.22767	74.52834	14:12:03	D	5.30
483	TARN TARAN	VALTOHA	S-NPP	31.22892	74.52561	14:12:03	D	2.80
484	TARN TARAN	VALTOHA	S-NPP	31.22921	74.52937	14:12:03	D	2.80

Details of residue burning events in Haryana on 31-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	FATEHABAD	JAKHAL	S-NPP	29.68275	75.74413	12:31:45	D	9.10
2	FATEHABAD	JAKHAL	S-NPP	29.68343	75.74626	12:31:45	D	9.30
3	FATEHABAD	JAKHAL	S-NPP	29.70377	75.77013	12:31:45	D	4.60
4	FATEHABAD	JAKHAL	S-NPP	29.70425	75.77225	12:31:45	D	3.90
5	FATEHABAD	RATIA	S-NPP	29.72728	75.46198	14:12:03	D	2.70
6	FATEHABAD	TOHANA	S-NPP	29.58466	75.94195	14:12:03	D	1.50
7	FATEHABAD	TOHANA	S-NPP	29.69391	75.92593	14:12:03	D	3.80
8	HISAR	BARWALA	S-NPP	29.32067	75.90710	12:31:45	D	5.40
9	JIND	JIND	AQUA	29.23000	76.29400	14:09:41	D	9.00
10	JIND	JULANA	AQUA	29.21700	76.45400	14:09:41	D	7.70
11	JIND	NARWANA	S-NPP	29.65722	76.15769	14:12:03	D	2.20
12	JIND	NARWANA	S-NPP	29.75459	76.02740	14:12:03	D	6.10
13	JIND	UCHANA	S-NPP	29.57643	76.18576	12:31:45	D	4.80
14	KAITHAL	GUHLA	S-NPP	30.12110	76.20862	14:12:03	D	2.20
15	KAITHAL	KAITHAL	S-NPP	29.84988	76.32860	14:12:03	D	4.50
16	KAITHAL	KALAYAT	S-NPP	29.63964	76.23623	14:12:03	D	3.70
17	KAITHAL	SIWAN	AQUA	29.89700	76.26300	14:09:41	D	14.80
18	KARNAL	CHIRAO	AQUA	29.71100	76.68200	14:09:41	D	8.10
19	KARNAL	CHIRAO	S-NPP	29.70914	76.68570	14:12:03	D	4.50
20	KURUKSHETRA	ISMAILABAD	S-NPP	30.10300	76.71840	14:12:03	D	3.30
21	KURUKSHETRA	PEHOWA	AQUA	29.91900	76.54400	03:18:05	N	23.00
22	KURUKSHETRA	PEHOWA	AQUA	29.94000	76.53000	14:09:41	D	20.50
23	KURUKSHETRA	PEHOWA	AQUA	29.94200	76.54200	14:09:41	D	7.10
24	KURUKSHETRA	PEHOWA	S-NPP	29.93627	76.54224	03:02:03	N	18.90
25	KURUKSHETRA	PEHOWA	S-NPP	29.93644	76.53912	01:21:46	N	31.40
26	KURUKSHETRA	PEHOWA	S-NPP	29.93676	76.53371	01:21:46	N	25.50
27	KURUKSHETRA	PEHOWA	S-NPP	29.93709	76.52827	01:21:46	N	25.50
28	KURUKSHETRA	PEHOWA	S-NPP	29.93752	76.53741	03:02:03	N	18.90
29	KURUKSHETRA	PEHOWA	S-NPP	29.93836	76.53587	12:31:45	D	11.10
30	KURUKSHETRA	PEHOWA	S-NPP	29.93864	76.53453	14:12:03	D	7.80
31	KURUKSHETRA	PEHOWA	S-NPP	29.93877	76.53256	03:02:03	N	26.50

32	KURUKSHETRA	PEHOWA	S-NPP	29.94294	76.53423	01:21:46	N	1.10
33	KURUKSHETRA	THANESAR	AQUA	30.05800	76.73400	14:09:41	D	9.60
34	PALWAL	HODAL	S-NPP	27.95285	77.43092	14:12:03	D	2.70
35	PALWAL	PALWAL	S-NPP	28.09511	77.35819	12:31:45	D	2.90
36	PANIPAT	ISRANA	S-NPP	29.31460	76.88038	14:12:03	D	1.50
37	ROHTAK	MEHAM	S-NPP	28.93847	76.38311	14:12:03	D	2.30
38	SIRSA	BARAGUNDA	S-NPP	29.71512	74.97800	12:31:45	D	5.20
39	SIRSA	ODHAN	S-NPP	29.86898	74.94006	01:21:46	N	0.90
40	SIRSA	ODHAN	S-NPP	29.87172	74.93996	01:21:46	N	0.80
41	SONIPAT	MUNDLANA	S-NPP	29.24557	76.69285	14:12:03	D	4.40
42	YAMUNANAGAR	RADAUR	AQUA	29.97400	77.19400	14:09:41	D	8.30

Details of residue burning events in Uttar Pradesh on 31-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	KHAIR	S-NPP	28.01542	77.62492	12:31:45	D	4.00
2	BARABANKI	FATEHPUR	S-NPP	27.21142	81.18829	12:31:45	D	3.20
3	BARABANKI	FATEHPUR	S-NPP	27.21414	81.18902	12:31:45	D	4.20
4	BARABANKI	H AidARGARH	S-NPP	26.81331	81.37826	12:31:45	D	1.50
5	BARABANKI	NAWABGANJ	S-NPP	26.79130	81.29189	12:31:45	D	1.90
6	BARABANKI	RAMSANEHIGHAT	S-NPP	26.75723	81.45914	12:31:45	D	1.10
7	BAREILLY	BAHERI	AQUA	28.79600	79.65500	14:09:41	D	11.50
8	BAREILLY	NAWABGANJ	AQUA	28.46300	79.53900	14:09:41	D	12.60
9	BULANSAHAR	SHIKARPUR	S-NPP	28.19411	78.05299	12:31:45	D	2.80
10	DEORIA	BARHAJ	S-NPP	26.32835	83.84631	12:31:45	D	3.30
11	DEORIA	SALEMPUR	S-NPP	26.17488	83.98585	12:31:45	D	2.20
12	DEORIA	SALEMPUR	S-NPP	26.17551	83.98897	12:31:45	D	2.70
13	ETA WAH	ETA WAH	S-NPP	26.93378	79.12331	12:31:45	D	1.90
14	FATEHPUR	BINKI	AQUA	26.11900	80.50200	14:09:41	D	5.70
15	FATEHPUR	FATEHPUR	AQUA	25.80900	80.82500	14:09:41	D	7.40
16	FATEHPUR	FATEHPUR	AQUA	25.97600	80.70300	14:09:41	D	4.80
17	FATEHPUR	FATEHPUR	S-NPP	25.95631	80.77720	12:31:45	D	1.80
18	FATEHPUR	FATEHPUR	S-NPP	25.97272	80.79994	12:31:45	D	3.10
19	FATEHPUR	FATEHPUR	S-NPP	25.97617	80.77742	14:12:03	D	4.60
20	FATEHPUR	KHAGA	AQUA	25.81900	81.16900	14:09:41	D	6.60
21	FATEHPUR	KHAGA	S-NPP	25.64746	81.05715	12:31:45	D	1.80
22	GAUTAMBUDHNAGAR	GAUTAMBUDHNAGAR	S-NPP	28.33166	77.68209	14:12:03	D	2.50
23	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.19609	77.57367	14:12:03	D	4.30
24	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.19617	77.57142	14:12:03	D	2.80
25	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.21183	77.71129	01:21:46	N	0.90
26	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.21522	77.70924	01:21:46	N	1.30
27	HARDOI	SANDILA	S-NPP	27.09058	80.42747	12:31:45	D	1.60
28	HARDOI	SHAHABAD	AQUA	27.56300	79.88600	14:09:41	D	7.30
29	HARDOI	SHAHABAD	AQUA	27.56500	79.89600	14:09:41	D	26.30

30	HARDOI	SHAHABAD	AQUA	27.56600	79.90500	14:09:41	D	9.20
31	HARDOI	SHAHABAD	S-NPP	27.56192	79.90004	14:12:03	D	10.50
32	HARDOI	SHAHABAD	S-NPP	27.56291	79.88297	12:31:45	D	2.50
33	HARDOI	SHAHABAD	S-NPP	27.56338	79.88232	12:31:45	D	2.70
34	HARDOI	SHAHABAD	S-NPP	27.57944	79.87764	12:31:45	D	5.60
35	HARDOI	SHAHABAD	S-NPP	27.73226	80.05688	12:31:45	D	2.50
36	HARDOI	SIWAIJPUR	AQUA	27.36500	79.79400	14:09:41	D	6.50
37	HARDOI	SIWAIJPUR	S-NPP	27.41306	79.81018	12:31:45	D	3.00
38	HARDOI	SIWAIJPUR	S-NPP	27.45773	79.82629	12:31:45	D	2.70
39	JHANSI	JHANSI	AQUA	25.52100	78.71100	14:09:41	D	10.00
40	JHANSI	MOTH	AQUA	25.64100	78.88800	14:09:41	D	14.80
41	JHANSI	MOTH	AQUA	25.79200	78.84700	14:09:41	D	21.10
42	JHANSI	MOTH	AQUA	25.86400	78.88600	14:09:41	D	6.60
43	JHANSI	MOTH	S-NPP	25.86469	78.88393	14:12:03	D	5.00
44	JHANSI	TAHRAULI	AQUA	25.49400	78.78200	14:09:41	D	6.20
45	KANPUR	GHATAMPUR	AQUA	26.25400	80.02700	14:09:41	D	9.00
46	KANPUR	GHATAMPUR	S-NPP	26.22319	80.01850	12:31:45	D	1.40
47	KANPUR DEHAT	AKBARPUR	AQUA	26.30200	79.98700	14:09:41	D	5.10
48	KANPUR DEHAT	AKBARPUR	S-NPP	26.40558	79.93823	12:31:45	D	2.70
49	KANPUR DEHAT	BHOGANIPUR	AQUA	26.28300	79.85900	14:09:41	D	5.60
50	KANPUR DEHAT	RASULABAD	AQUA	26.64400	79.97900	14:09:41	D	7.50
51	KANPUR DEHAT	SIKANDRA	AQUA	26.49000	79.63900	14:09:41	D	8.50
52	KAUSHAMBI	MANJHANPUR	AQUA	25.34200	81.43300	14:09:41	D	10.00
53	KAUSHAMBI	SIRATHU	S-NPP	25.71078	81.33334	12:31:45	D	3.60
54	KAUSHAMBI	SIRATHU	S-NPP	25.71090	81.33355	12:31:45	D	3.00
55	LUCKNOW	MOHANLAL GANJ	S-NPP	26.69999	81.20593	12:31:45	D	1.90
56	MAINPURI	BHOGAON	S-NPP	27.29865	79.15055	01:21:46	N	0.50
57	MAINPURI	KARHAL	S-NPP	27.01067	78.98922	12:31:45	D	2.50
58	MAINPURI	KARHAL	S-NPP	27.01094	78.99059	12:31:45	D	1.50
59	MATHURA	CHHATA	S-NPP	27.67563	77.45973	12:31:45	D	3.70
60	MATHURA	CHHATA	S-NPP	27.84480	77.51186	12:31:45	D	3.20
61	MATHURA	CHHATA	S-NPP	27.88548	77.52377	14:12:03	D	3.50
62	MATHURA	MATHURA	S-NPP	27.59130	77.53389	14:12:03	D	3.50
63	MUZAFARNAGAR	MUZAFFARNAGAR	AQUA	29.67800	77.92800	14:09:41	D	8.10

64	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.67683	77.93119	14:12:03	D	3.50
65	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.68076	77.93329	14:12:03	D	5.00
66	PILHIBHIT	BISALPUR	S-NPP	28.18706	79.92453	01:21:46	N	1.00
67	RAIBEARELI	RAEBARELI	S-NPP	26.23863	81.17438	12:31:45	D	2.80
68	RAIBEARELI	RAEBARELI	S-NPP	26.25975	81.21941	12:31:45	D	3.10
69	RAIBEARELI	SALON	S-NPP	25.96536	81.53661	12:31:45	D	4.00
70	RAIBEARELI	SALON	S-NPP	25.96881	81.53740	12:31:45	D	4.70
71	SHAHJAHANPUR	PUWANYA	AQUA	28.09000	80.14200	14:09:41	D	5.60
72	SHRAWASTI	BHINGA	AQUA	27.74400	81.68000	14:09:41	D	6.00
73	SHRAWASTI	BHINGA	S-NPP	27.73761	81.67223	12:31:45	D	5.60
74	SHRAWASTI	BHINGA	S-NPP	27.74029	81.67567	12:31:45	D	5.30
75	SITAPUR	MAHMUDABAD	S-NPP	27.30738	81.18932	12:31:45	D	1.70
76	SITAPUR	MAHMUDABAD	S-NPP	27.45124	81.11466	12:31:45	D	2.10
77	UNNAO	BIGHAPUR	AQUA	26.30300	80.68600	14:09:41	D	8.70
78	UNNAO	BIGHAPUR	S-NPP	26.24808	80.76549	12:31:45	D	2.50
79	UNNAO	PURWA	S-NPP	26.42665	80.74965	12:31:45	D	2.20

Details of residue burning events in Rajasthan on 31-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARAN	BARAN	AQUA	25.20400	76.51800	14:09:41	D	31.40
2	BARAN	BARAN	AQUA	25.20800	76.51200	14:09:41	D	20.30
3	BARAN	BARAN	AQUA	25.21100	76.52600	14:09:41	D	12.00
4	BARAN	BARAN	S-NPP	25.20194	76.51969	14:12:03	D	2.40
5	BARAN	BARAN	S-NPP	25.20755	76.51918	14:12:03	D	1.90
6	BARAN	KISHANGUNJ	S-NPP	25.01080	76.68479	14:12:03	D	2.80
7	BARAN	SHAHBAD	S-NPP	25.08482	77.01404	12:31:45	D	9.30
8	BARAN	SHAHBAD	S-NPP	25.08719	77.01425	12:31:45	D	11.70
9	BARAN	SHAHBAD	S-NPP	25.10455	77.14594	12:31:45	D	6.20
10	BARAN	SHAHBAD	S-NPP	25.10535	77.02939	12:31:45	D	4.20
11	BARAN	SHAHBAD	S-NPP	25.13291	76.97187	12:31:45	D	7.30
12	BARAN	SHAHBAD	S-NPP	25.24129	77.04802	12:31:45	D	5.30
13	BARAN	SHAHBAD	S-NPP	25.24610	76.99807	14:12:03	D	6.00
14	BUNDI	BUNDI	AQUA	25.29100	75.75900	14:09:41	D	12.20
15	BUNDI	BUNDI	AQUA	25.35100	75.64000	14:09:41	D	14.90
16	BUNDI	BUNDI	AQUA	25.46200	75.87500	14:09:41	D	11.80
17	BUNDI	BUNDI	S-NPP	25.27922	75.70568	12:31:45	D	9.80
18	BUNDI	BUNDI	S-NPP	25.30095	75.79942	12:31:45	D	3.10
19	BUNDI	BUNDI	S-NPP	25.31587	75.81617	14:12:03	D	3.30
20	BUNDI	BUNDI	S-NPP	25.34430	75.64414	14:12:03	D	7.50
21	BUNDI	BUNDI	S-NPP	25.34961	75.64362	14:12:03	D	7.50
22	BUNDI	BUNDI	S-NPP	25.38001	75.80607	14:12:03	D	1.30
23	BUNDI	BUNDI	S-NPP	25.45879	75.87753	14:12:03	D	4.60
24	BUNDI	KESHORAIPATAN	AQUA	25.33500	75.94100	14:09:41	D	10.60
25	BUNDI	KESHORAIPATAN	AQUA	25.35400	75.92100	14:09:41	D	12.70
26	BUNDI	KESHORAIPATAN	S-NPP	25.26205	75.97986	14:12:03	D	3.00
27	BUNDI	KESHORAIPATAN	S-NPP	25.26399	76.00262	14:12:03	D	0.70
28	BUNDI	KESHORAIPATAN	S-NPP	25.35188	75.92143	14:12:03	D	9.00
29	BUNDI	KESHORAIPATAN	S-NPP	25.35220	75.92519	14:12:03	D	14.00
30	BUNDI	KESHORAIPATAN	S-NPP	25.35309	75.93543	12:31:45	D	4.00

31	BUNDI	KESHORAIPATAN	S-NPP	25.35475	75.93242	12:31:45	D	3.10
32	BUNDI	KESHORAIPATAN	S-NPP	25.35761	75.92466	14:12:03	D	4.60
33	BUNDI	KESHORAIPATAN	S-NPP	25.37038	76.01105	14:12:03	D	2.80
34	BUNDI	KESHORAIPATAN	S-NPP	25.45801	76.06505	14:12:03	D	4.20
35	BUNDI	KESHORAIPATAN	S-NPP	25.46671	76.03711	14:12:03	D	3.20
36	GANGANAGAR	SURATGARH	S-NPP	29.46749	73.85317	14:12:03	D	3.70
37	GANGANAGAR	SURATGARH	S-NPP	29.46760	73.85353	14:12:03	D	4.90
38	HANUMANGARH	HANUMANGARH	AQUA	29.58700	74.39100	14:09:41	D	11.60
39	HANUMANGARH	HANUMANGARH	S-NPP	29.56937	74.35181	14:12:03	D	2.50
40	HANUMANGARH	HANUMANGARH	S-NPP	29.58392	74.40288	14:12:03	D	7.30
41	HANUMANGARH	SANGHRIYA	S-NPP	29.93716	74.46340	14:12:03	D	5.00
42	HANUMANGARH	SANGHRIYA	S-NPP	29.93746	74.46696	14:12:03	D	6.00
43	HANUMANGARH	TIBI	AQUA	29.44800	74.52300	14:09:41	D	16.80
44	HANUMANGARH	TIBI	AQUA	29.54600	74.49400	14:09:41	D	14.40
45	HANUMANGARH	TIBI	AQUA	29.56800	74.48800	14:09:41	D	12.60
46	HANUMANGARH	TIBI	AQUA	29.56900	74.48100	14:09:41	D	20.00
47	HANUMANGARH	TIBI	AQUA	29.59000	74.40800	14:09:41	D	14.30
48	HANUMANGARH	TIBI	S-NPP	29.44162	74.52658	14:12:03	D	4.70
49	HANUMANGARH	TIBI	S-NPP	29.44681	74.52605	14:12:03	D	4.70
50	HANUMANGARH	TIBI	S-NPP	29.48109	74.56193	14:12:03	D	1.60
51	HANUMANGARH	TIBI	S-NPP	29.48287	74.51890	14:12:03	D	5.60
52	HANUMANGARH	TIBI	S-NPP	29.48315	74.52243	14:12:03	D	6.60
53	HANUMANGARH	TIBI	S-NPP	29.49007	74.54314	14:12:03	D	6.50
54	HANUMANGARH	TIBI	S-NPP	29.49526	74.54260	14:12:03	D	2.40
55	HANUMANGARH	TIBI	S-NPP	29.52243	74.55421	14:12:03	D	2.90
56	HANUMANGARH	TIBI	S-NPP	29.54106	74.45303	14:12:03	D	1.70
57	HANUMANGARH	TIBI	S-NPP	29.54464	74.49877	14:12:03	D	3.40
58	HANUMANGARH	TIBI	S-NPP	29.54485	74.43498	14:12:03	D	3.90
59	HANUMANGARH	TIBI	S-NPP	29.56427	74.48257	14:12:03	D	6.80
60	HANUMANGARH	TIBI	S-NPP	29.56456	74.48608	14:12:03	D	13.70
61	HANUMANGARH	TIBI	S-NPP	29.58421	74.40636	14:12:03	D	11.00
62	HANUMANGARH	TIBI	S-NPP	29.61495	74.46328	14:12:03	D	2.80
63	HANUMANGARH	TIBI	S-NPP	29.63503	74.50315	14:12:03	D	0.80
64	KOTA	DIGOD	AQUA	25.18000	76.17500	14:09:41	D	82.40

65	KOTA	DIGOD	AQUA	25.18300	76.18900	14:09:41	D	15.00
66	KOTA	DIGOD	AQUA	25.19100	76.17200	14:09:41	D	21.40
67	KOTA	DIGOD	AQUA	25.22900	76.04900	14:09:41	D	7.80
68	KOTA	DIGOD	AQUA	25.40900	76.29400	14:09:41	D	13.00
69	KOTA	DIGOD	S-NPP	25.17557	76.20142	14:12:03	D	2.00
70	KOTA	DIGOD	S-NPP	25.18459	76.17709	14:12:03	D	10.30
71	KOTA	DIGOD	S-NPP	25.22311	76.04952	14:12:03	D	3.00
72	KOTA	DIGOD	S-NPP	25.22396	76.04853	14:12:03	D	3.10
73	KOTA	DIGOD	S-NPP	25.22427	76.05233	14:12:03	D	3.80
74	KOTA	DIGOD	S-NPP	25.40579	76.30153	14:12:03	D	7.10
75	KOTA	LADPURA	S-NPP	25.18879	75.90875	14:12:03	D	2.70
76	KOTA	PIPALDA	S-NPP	25.51415	76.47961	14:12:03	D	3.60
77	KOTA	PIPALDA	S-NPP	25.75328	76.48215	14:12:03	D	6.60
78	KOTA	PIPALDA	S-NPP	25.80346	76.49883	14:12:03	D	1.70
79	SWAIMADHOPUR	KHANDAR	AQUA	26.02700	76.69600	14:09:41	D	13.80
80	SWAIMADHOPUR	KHANDAR	S-NPP	25.88853	76.53642	14:12:03	D	3.90
81	SWAIMADHOPUR	KHANDAR	S-NPP	25.89174	76.53666	14:12:03	D	7.30
82	SWAIMADHOPUR	KHANDAR	S-NPP	25.89220	76.53288	12:31:45	D	7.80
83	SWAIMADHOPUR	KHANDAR	S-NPP	25.92780	76.69570	14:12:03	D	1.90
84	SWAIMADHOPUR	KHANDAR	S-NPP	26.02300	76.69328	14:12:03	D	1.70
85	SWAIMADHOPUR	KHANDAR	S-NPP	26.03714	76.69243	12:31:45	D	8.90

Details of residue burning events in Madhya Pradesh on 31-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	AQUA	24.59900	77.50400	14:09:41	D	11.50
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.37430	77.73428	12:31:45	D	4.60
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.44510	77.63961	12:31:45	D	6.10
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.52605	77.65046	14:12:03	D	4.80
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.52929	77.64999	14:12:03	D	6.00
6	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56288	77.89999	14:12:03	D	3.90
7	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.59785	77.49905	14:12:03	D	4.30
8	ASHOKNAGAR	CHANDERI	S-NPP	24.57353	77.90353	12:31:45	D	6.10
9	ASHOKNAGAR	CHANDERI	S-NPP	24.57373	77.90619	12:31:45	D	6.70
10	ASHOKNAGAR	CHANDERI	S-NPP	24.57535	77.90382	14:12:03	D	4.40
11	ASHOKNAGAR	CHANDERI	S-NPP	24.60736	77.87536	12:31:45	D	3.30
12	ASHOKNAGAR	ISAGARH	AQUA	24.68000	77.86400	14:09:41	D	11.90
13	ASHOKNAGAR	ISAGARH	S-NPP	24.70153	77.84478	12:31:45	D	3.00
14	ASHOKNAGAR	ISAGARH	S-NPP	24.74771	77.82890	14:12:03	D	4.20
15	ASHOKNAGAR	ISAGARH	S-NPP	24.92109	77.87639	12:31:45	D	2.30
16	ASHOKNAGAR	MUNGAOLI	AQUA	24.36700	77.95900	14:09:41	D	17.60
17	ASHOKNAGAR	MUNGAOLI	S-NPP	24.36386	77.95937	14:12:03	D	6.00
18	ASHOKNAGAR	MUNGAOLI	S-NPP	24.36423	77.96431	14:12:03	D	7.00
19	ASHOKNAGAR	MUNGAOLI	S-NPP	24.41478	77.80408	14:12:03	D	3.90
20	ASHOKNAGAR	MUNGAOLI	S-NPP	24.46395	78.06533	14:12:03	D	3.60
21	BHIND	BHIND	AQUA	26.59100	78.68600	14:09:41	D	7.90
22	BHIND	BHIND	AQUA	26.60600	78.66100	14:09:41	D	6.10
23	BHIND	BHIND	S-NPP	26.58786	78.68344	14:12:03	D	2.50
24	BHIND	GOHAD	AQUA	26.41200	78.37100	14:09:41	D	9.10
25	BHIND	GOHAD	AQUA	26.50100	78.41400	14:09:41	D	20.10
26	BHIND	GOHAD	S-NPP	26.45265	78.31967	14:12:03	D	6.00
27	BHIND	GOHAD	S-NPP	26.45504	78.31583	14:12:03	D	4.60
28	BHIND	GOHAD	S-NPP	26.46589	78.41943	14:12:03	D	4.80
29	BHIND	GOHAD	S-NPP	26.50577	78.41287	14:12:03	D	10.90

30	BHIND	LAHAR	S-NPP	26.03059	78.79071	12:31:45	D	2.60
31	BHOPAL	BERASIYA	S-NPP	23.71656	77.50462	14:12:03	D	1.80
32	BHOPAL	HUZUR	S-NPP	23.18850	77.54000	14:12:03	D	4.20
33	DAMOH	DAMOH	S-NPP	23.87325	79.39498	14:12:03	D	2.30
34	DAMOH	TENDUKHERA	AQUA	23.30500	79.33800	14:09:41	D	6.20
35	DATIA	BHANDER	AQUA	25.84300	78.64400	14:09:41	D	15.80
36	DATIA	BHANDER	AQUA	25.84500	78.65500	14:09:41	D	15.00
37	DATIA	BHANDER	S-NPP	25.84882	78.64964	14:12:03	D	2.90
38	DATIA	SEONDHA	AQUA	25.82000	78.50500	14:09:41	D	6.70
39	DATIA	SEONDHA	AQUA	26.06100	78.78500	14:09:41	D	11.70
40	DATIA	SEONDHA	AQUA	26.06200	78.79600	14:09:41	D	6.10
41	DATIA	SEONDHA	S-NPP	25.84610	78.51952	14:12:03	D	2.90
42	DATIA	SEONDHA	S-NPP	26.06088	78.79115	14:12:03	D	3.40
43	DATIA	SEONDHA	S-NPP	26.09404	78.76677	12:31:45	D	2.60
44	GUNA	ARON	AQUA	24.45700	77.46200	14:09:41	D	10.40
45	GUNA	ARON	S-NPP	24.32397	77.47944	12:31:45	D	2.60
46	GUNA	GUNA	S-NPP	24.57360	77.42443	12:31:45	D	4.80
47	GUNA	GUNA	S-NPP	24.68163	77.45312	14:12:03	D	1.80
48	GUNA	GUNA	S-NPP	24.79860	77.46677	12:31:45	D	6.20
49	GUNA	GUNA	S-NPP	24.80263	77.46584	12:31:45	D	4.40
50	GUNA	GUNA	S-NPP	24.80599	77.45184	12:31:45	D	6.60
51	GUNA	GUNA	S-NPP	24.85336	77.52847	12:31:45	D	6.00
52	GUNA	GUNA	S-NPP	24.85611	77.53357	14:12:03	D	2.90
53	GUNA	GUNA	S-NPP	24.96446	77.01553	12:31:45	D	5.90
54	GUNA	GUNA	S-NPP	25.02587	77.08964	14:12:03	D	3.00
55	GUNA	GUNA	S-NPP	25.03863	77.00002	12:31:45	D	9.30
56	HOSHANGABAD	BABAI	S-NPP	22.70469	77.91043	12:31:45	D	3.70
57	HOSHANGABAD	BABAI	S-NPP	22.71216	77.98666	12:31:45	D	4.60
58	HOSHANGABAD	BABAI	S-NPP	22.77564	77.87411	12:31:45	D	1.90
59	HOSHANGABAD	ITARSI	AQUA	22.52700	77.69300	14:09:41	D	9.60
60	HOSHANGABAD	ITARSI	AQUA	22.52900	77.69900	14:09:41	D	14.20
61	HOSHANGABAD	ITARSI	AQUA	22.59600	77.85000	14:09:41	D	12.70
62	HOSHANGABAD	ITARSI	S-NPP	22.50808	77.71120	14:12:03	D	5.90
63	HOSHANGABAD	ITARSI	S-NPP	22.52411	77.70194	14:12:03	D	3.90

64	HOSHANGABAD	ITARSI	S-NPP	22.52489	77.70096	14:12:03	D	4.60
65	HOSHANGABAD	ITARSI	S-NPP	22.64092	77.77703	14:12:03	D	6.70
66	HOSHANGABAD	ITARSI	S-NPP	22.64298	77.77706	14:12:03	D	8.10
67	HOSHANGABAD	SEONI MALWA	S-NPP	22.51153	77.48698	14:12:03	D	2.40
68	HOSHANGABAD	SEONI MALWA	S-NPP	22.51218	77.48753	14:12:03	D	2.20
69	HOSHANGABAD	SEONI MALWA	S-NPP	22.55972	77.56596	14:12:03	D	3.00
70	HOSHANGABAD	SOHAGPUR	S-NPP	22.73816	78.17991	01:21:46	N	0.70
71	HOSHANGABAD	SOHAGPUR	S-NPP	22.76211	78.20297	01:21:46	N	0.60
72	JABALPUR	JABALPUR	S-NPP	23.12449	80.05642	12:31:45	D	3.30
73	JABALPUR	JABALPUR	S-NPP	23.12628	80.05485	12:31:45	D	3.20
74	JABALPUR	PATAN	AQUA	23.18900	79.83500	14:09:41	D	23.30
75	JABALPUR	PATAN	AQUA	23.19000	79.84500	14:09:41	D	14.80
76	JABALPUR	PATAN	S-NPP	23.19211	79.83900	14:12:03	D	3.50
77	JABALPUR	SAHPURA	AQUA	23.13700	79.73600	14:09:41	D	6.10
78	KATNI	DHIMERKHEDA	AQUA	23.36800	80.39400	14:09:41	D	9.90
79	NARSHIMAPURA	GADARWARA	AQUA	22.78600	78.66800	14:09:41	D	9.70
80	NARSHIMAPURA	GADARWARA	AQUA	22.90000	78.61600	14:09:41	D	14.70
81	NARSHIMAPURA	GADARWARA	S-NPP	22.78630	78.66871	14:12:03	D	2.90
82	NARSHIMAPURA	GADARWARA	S-NPP	22.86375	78.71711	14:12:03	D	3.20
83	NARSHIMAPURA	GADARWARA	S-NPP	22.89808	78.61903	14:12:03	D	13.00
84	NARSHIMAPURA	GADARWARA	S-NPP	22.89995	78.62007	14:12:03	D	12.40
85	NARSHIMAPURA	GADARWARA	S-NPP	22.92373	78.62736	14:12:03	D	2.40
86	NARSHIMAPURA	GOTECAON	S-NPP	23.09270	79.35564	01:21:46	N	0.60
87	REWA	HUZUR	S-NPP	24.49007	81.24295	12:31:45	D	3.70
88	REWA	HUZUR	S-NPP	24.49270	81.24153	12:31:45	D	3.30
89	REWA	SIRMAUR	S-NPP	24.70342	81.37177	12:31:45	D	5.00
90	REWA	SIRMAUR	S-NPP	24.70363	81.20821	12:31:45	D	2.00
91	REWA	SIRMAUR	S-NPP	24.70564	81.20636	12:31:45	D	3.30
92	REWA	SIRMAUR	S-NPP	24.75595	81.38892	12:31:45	D	1.90
93	SATNA	NAGOD	AQUA	24.64200	80.51100	14:09:41	D	15.10
94	SATNA	RAGURAJNAGAR	AQUA	24.55400	80.78000	14:09:41	D	7.90
95	SATNA	UCHAHAR	S-NPP	24.51961	80.71049	12:31:45	D	1.90
96	SEHORE	NASRULLAHGANJ	S-NPP	22.66282	77.34399	14:12:03	D	2.10
97	SEONI	GHANSAUR	S-NPP	22.39806	79.80944	12:31:45	D	5.40

98	SEONI	GHANSAUR	S-NPP	22.39856	79.80821	12:31:45	D	3.10
99	SEONI	GHANSAUR	S-NPP	22.43001	79.83747	12:31:45	D	2.70
100	SEONI	GHANSAUR	S-NPP	22.43074	79.83624	12:31:45	D	3.10
101	SEONI	GHANSAUR	S-NPP	22.58885	79.77699	12:31:45	D	6.70
102	SEONI	KEWLARI	AQUA	22.35500	79.88800	14:09:41	D	12.20
103	SEONI	KEWLARI	S-NPP	22.25714	79.83628	14:12:03	D	5.40
104	SEONI	KEWLARI	S-NPP	22.28894	79.91510	12:31:45	D	5.60
105	SEONI	KEWLARI	S-NPP	22.33137	79.90484	12:31:45	D	2.80
106	SEONI	KEWLARI	S-NPP	22.35233	79.88904	14:12:03	D	5.80
107	SEONI	KEWLARI	S-NPP	22.36230	79.79292	12:31:45	D	4.00
108	SEONI	KEWLARI	S-NPP	22.36435	79.93700	12:31:45	D	3.70
109	SEONI	KURAI	S-NPP	21.94725	79.49707	12:31:45	D	6.30
110	SEONI	LAKHNADOU	AQUA	22.91900	79.64300	14:09:41	D	8.70
111	SEONI	LAKHNADOU	S-NPP	22.37923	79.48418	12:31:45	D	7.80
112	SEONI	LAKHNADOU	S-NPP	22.81623	79.62793	12:31:45	D	5.40
113	SEONI	LAKHNADOU	S-NPP	22.90423	79.64580	12:31:45	D	2.80
114	SEONI	LAKHNADOU	S-NPP	22.91974	79.64217	14:12:03	D	4.70
115	SEONI	SEONI	AQUA	22.27600	79.74200	14:09:41	D	10.10
116	SEONI	SEONI	AQUA	22.29000	79.77100	14:09:41	D	10.20
117	SEONI	SEONI	S-NPP	22.19977	79.51710	14:12:03	D	2.50
118	SEONI	SEONI	S-NPP	22.20528	79.50276	12:31:45	D	2.30
119	SEONI	SEONI	S-NPP	22.24295	79.71832	12:31:45	D	4.40
120	SEONI	SEONI	S-NPP	22.24410	79.72323	12:31:45	D	4.70
121	SEONI	SEONI	S-NPP	22.24813	79.73804	14:12:03	D	3.30
122	SEONI	SEONI	S-NPP	22.26131	79.73695	14:12:03	D	8.00
123	SEONI	SEONI	S-NPP	22.26980	79.80570	12:31:45	D	4.80
124	SEONI	SEONI	S-NPP	22.27608	79.77776	12:31:45	D	2.40
125	SEONI	SEONI	S-NPP	22.27659	79.74366	14:12:03	D	6.60
126	SEONI	SEONI	S-NPP	22.28126	79.74493	12:31:45	D	4.40
127	SEONI	SEONI	S-NPP	22.28152	79.74135	14:12:03	D	12.20
128	SEONI	SEONI	S-NPP	22.28208	79.75157	12:31:45	D	7.30
129	SEONI	SEONI	S-NPP	22.28240	79.74984	12:31:45	D	4.40
130	SEONI	SEONI	S-NPP	22.28318	79.74318	14:12:03	D	6.60
131	SEONI	SEONI	S-NPP	22.28524	79.81713	12:31:45	D	2.40

132	SEONI	SEONI	S-NPP	22.28693	79.74500	12:31:45	D	7.30
133	SEONI	SEONI	S-NPP	22.28728	79.74324	12:31:45	D	4.80
134	SEONI	SEONI	S-NPP	22.29869	79.79424	12:31:45	D	3.40
135	SEONI	SEONI	S-NPP	22.30053	79.74513	12:31:45	D	1.60
136	SHEOPUR	KARAHAL	S-NPP	25.32722	76.77122	14:12:03	D	9.80
137	SHEOPUR	KARAHAL	S-NPP	25.46316	76.79374	14:12:03	D	4.50
138	SHEOPUR	SHEOPUR	AQUA	25.46300	76.71600	14:09:41	D	16.00
139	SHEOPUR	SHEOPUR	S-NPP	25.46304	76.72155	14:12:03	D	2.60
140	SHEOPUR	SHEOPUR	S-NPP	25.76637	76.57304	14:12:03	D	2.90
141	SHEOPUR	SHEOPUR	S-NPP	25.90492	76.82232	12:31:45	D	3.50
142	SHIVPURI	KOLARAS	S-NPP	25.10668	77.63889	12:31:45	D	3.60
143	VIDESHA	SIRANJ	AQUA	24.31100	77.87700	14:09:41	D	9.30
144	VIDESHA	SIRANJ	S-NPP	24.30839	77.88442	14:12:03	D	4.40
145	VIDESHA	SIRANJ	S-NPP	24.30931	77.88023	14:12:03	D	9.30

The study used data received from following Satellites at NRSC Ground Station

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375	Both
2.	JPSS 1 (NOAA 20)	VIIRS	375	Both
3.	JPSS 2 (NOAA 21)	VIIRS	375	Both
4.	Aqua	MODIS	1000	Both

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

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GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>
(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)

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