

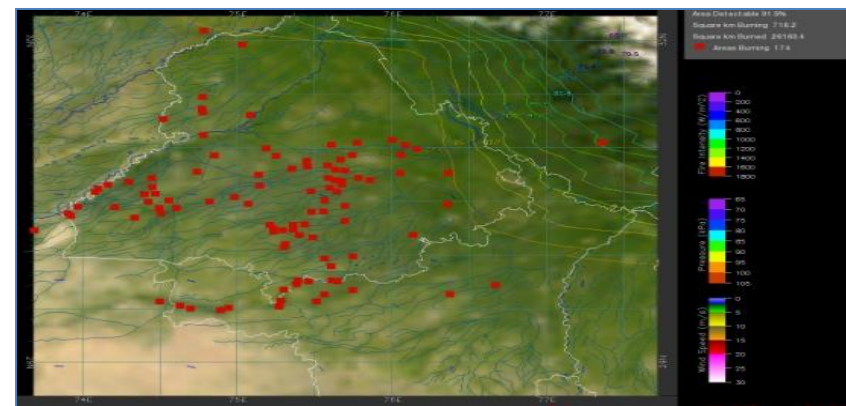
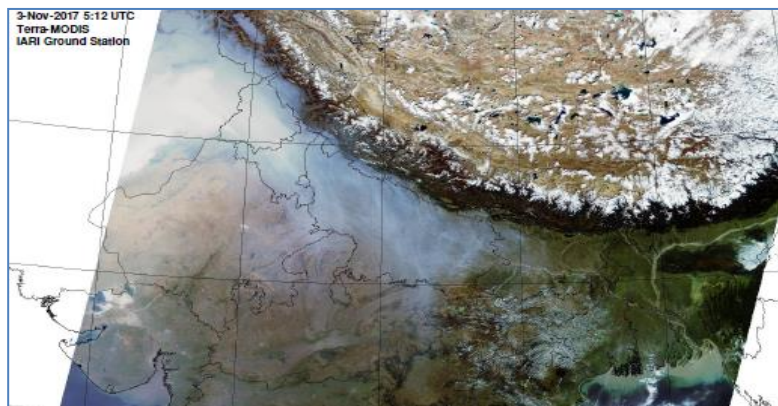


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023

Bulletin
No. 67

Events Date:
20-Nov-2023

Issued on:
20-Nov-2023



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

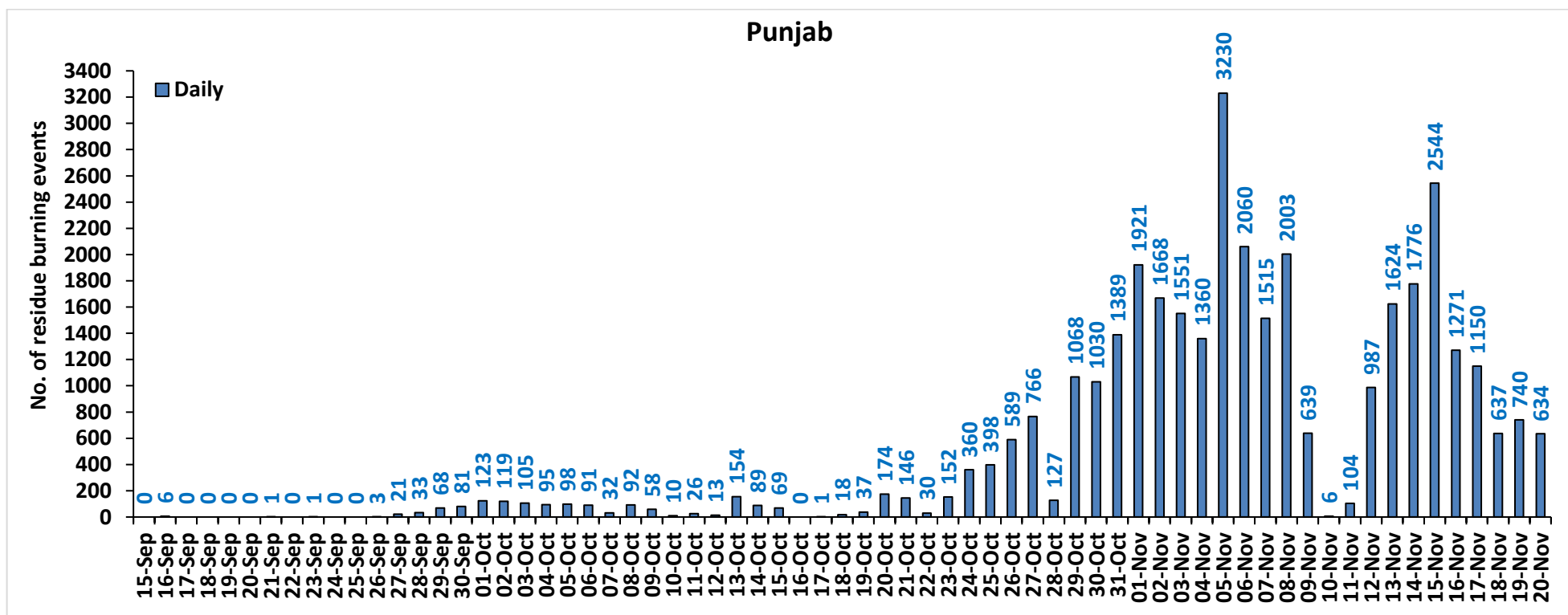
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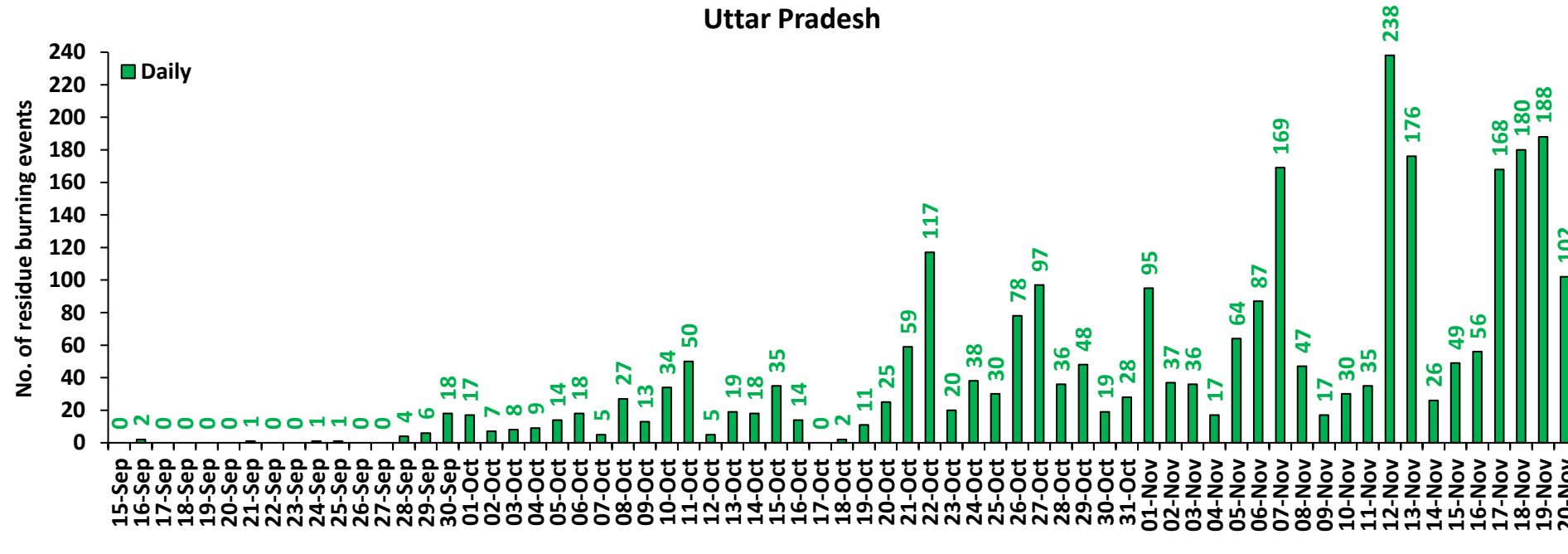
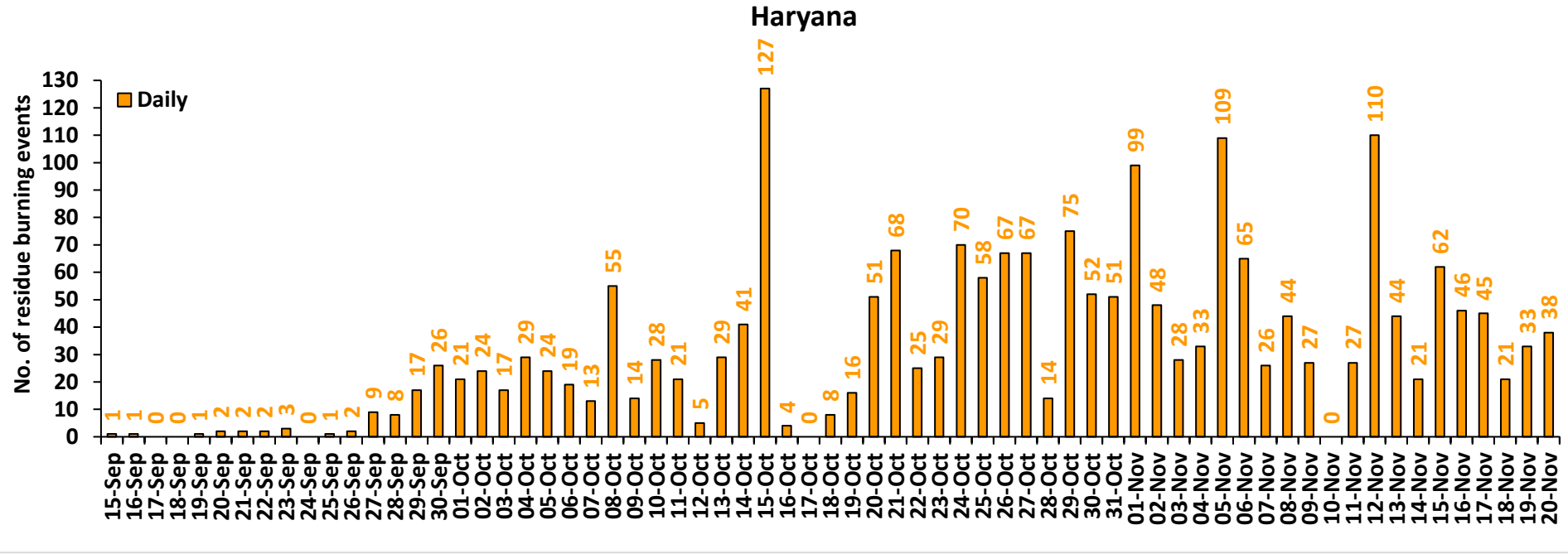


Highlights for 20-Nov-2023

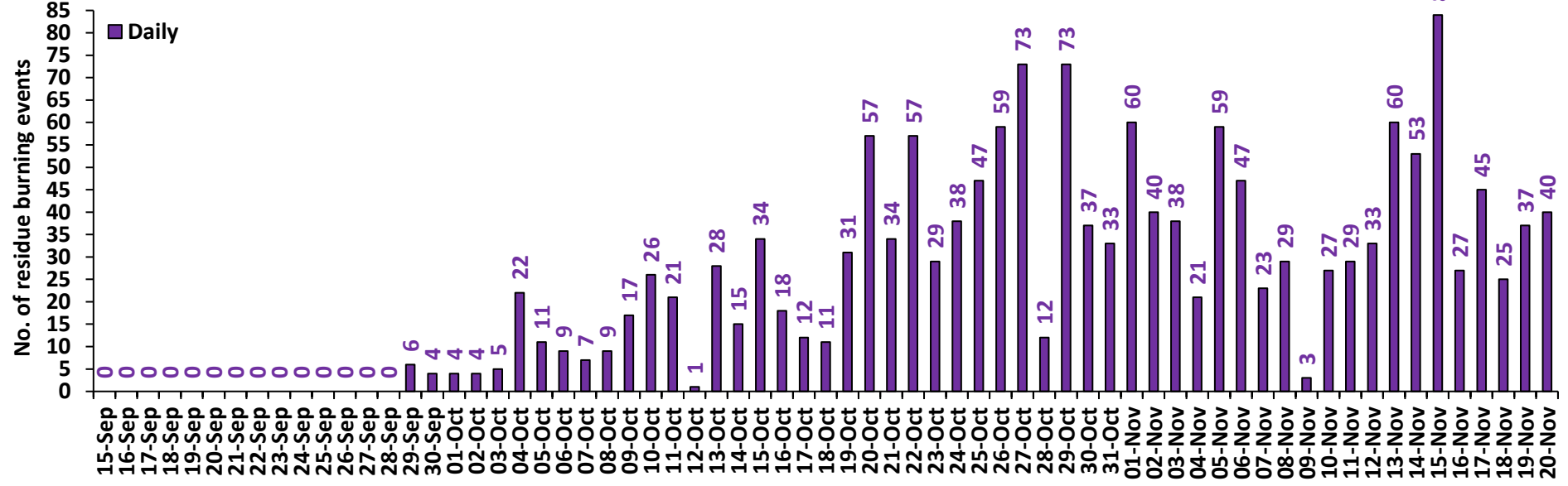
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **1022** residue burning events in the six study States on 20-Nov-2023.
- The state wise events detected on 20-Nov-2023 were **634** in Punjab, **38** in Haryana, **102** in UP, **00** in Delhi, **40** in Rajasthan and **208** in MP.
- Total **52555** burning events were detected in the six states between 15-Sept-2023 and 20-Nov-2023, which are distributed as **35093**, **2123**, **2751**, **05**, **1624** and **10959** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

Temporal distribution of rice residue burning events for the study States in 2023

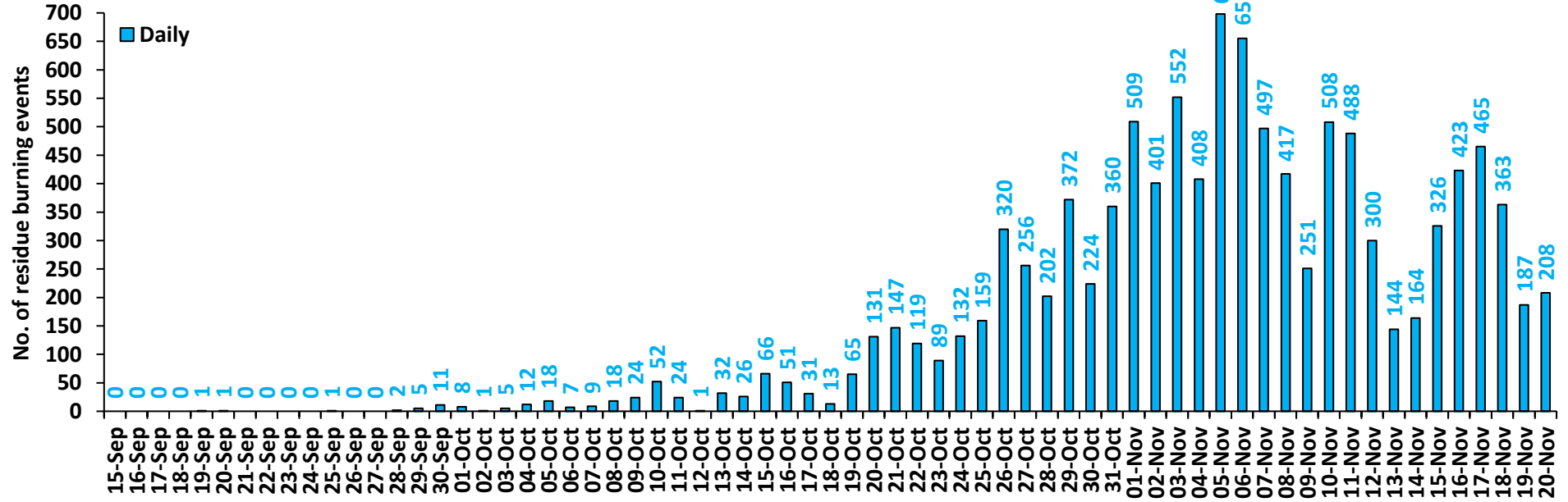




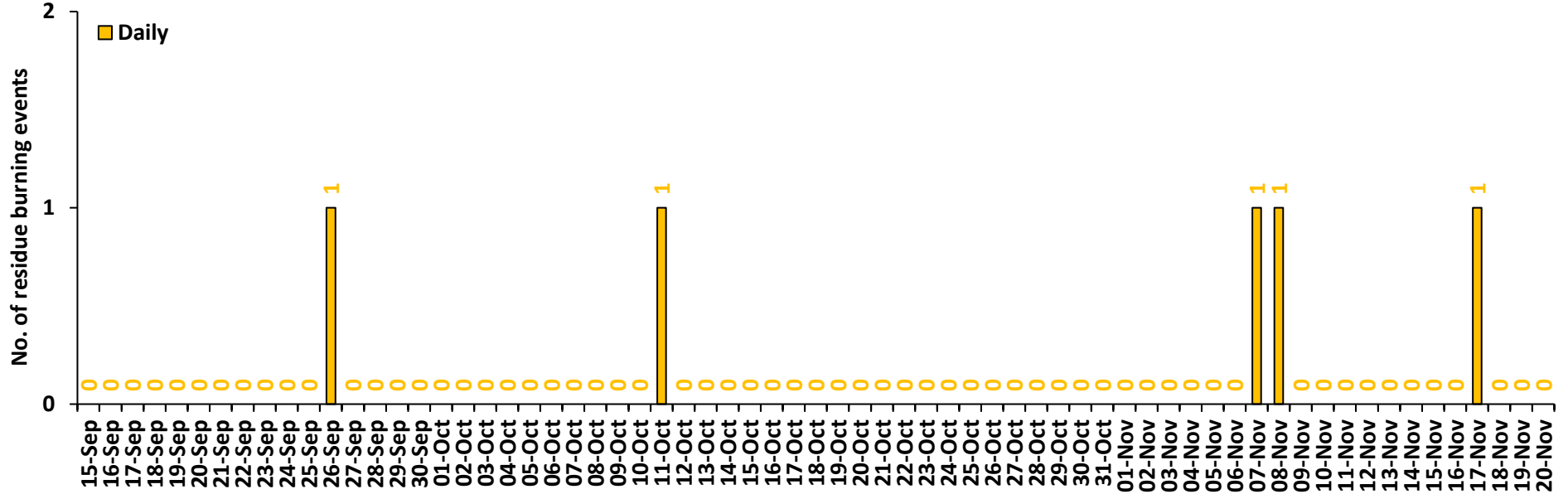
Rajasthan



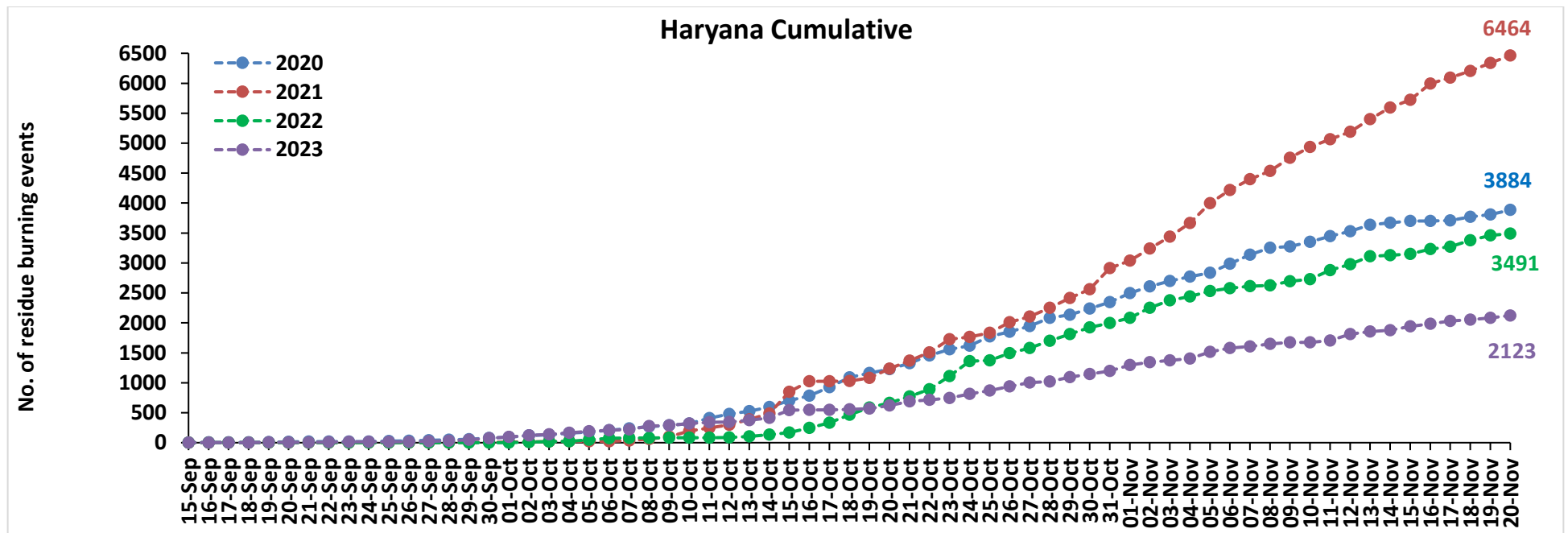
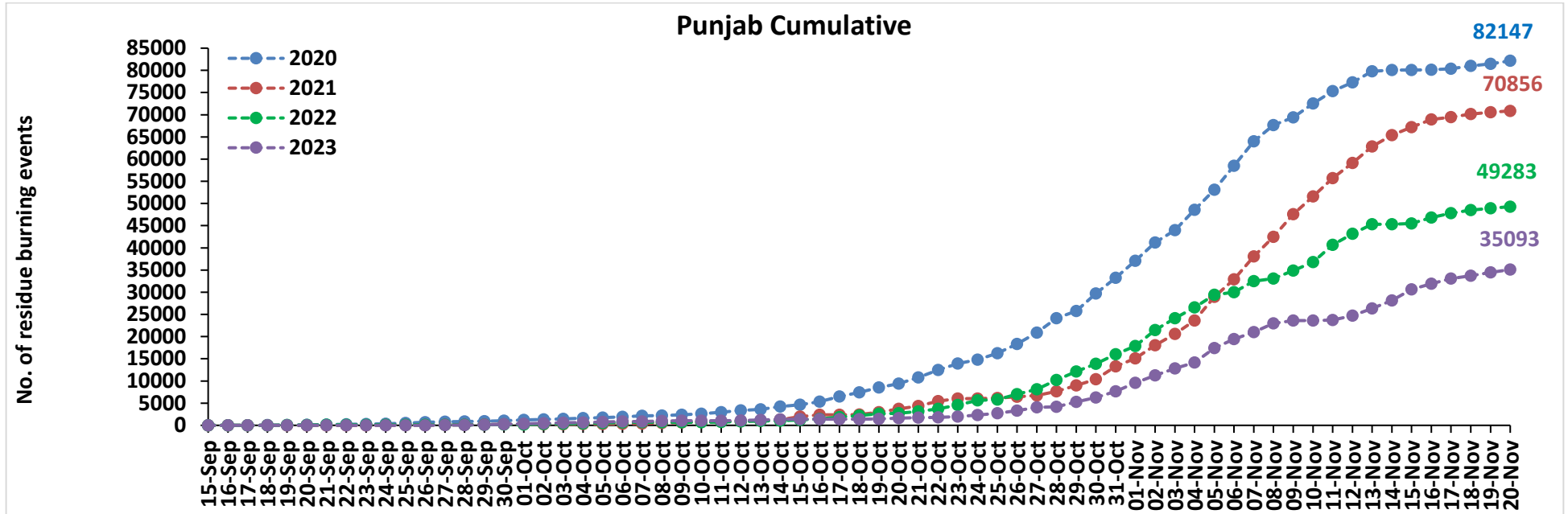
Madhya Pradesh



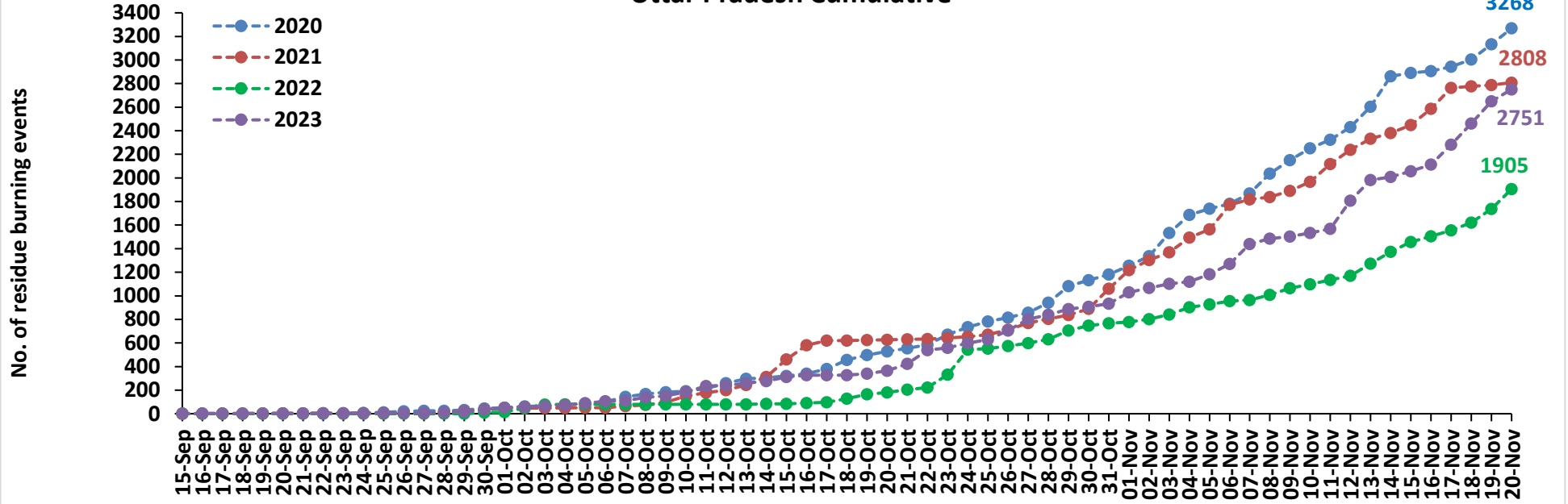
Delhi



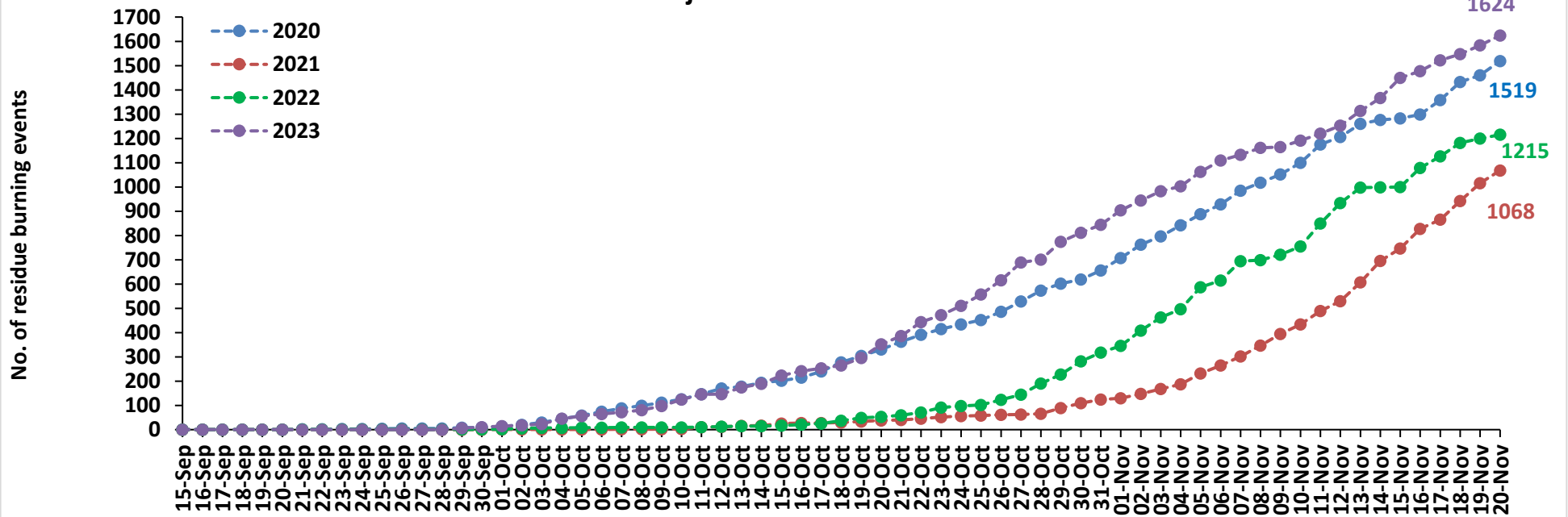
Comparison of residue burning events in current year (2023) with previous years (2020, 2021 and 2022) for the study State



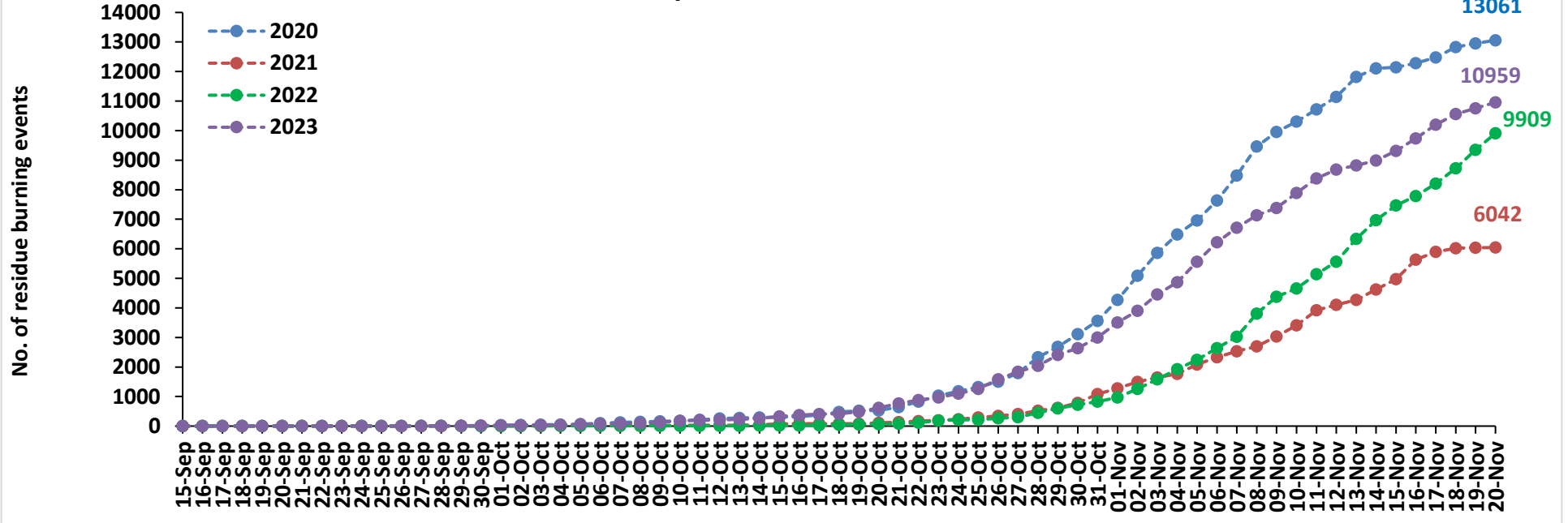
Uttar Pradesh Cumulative



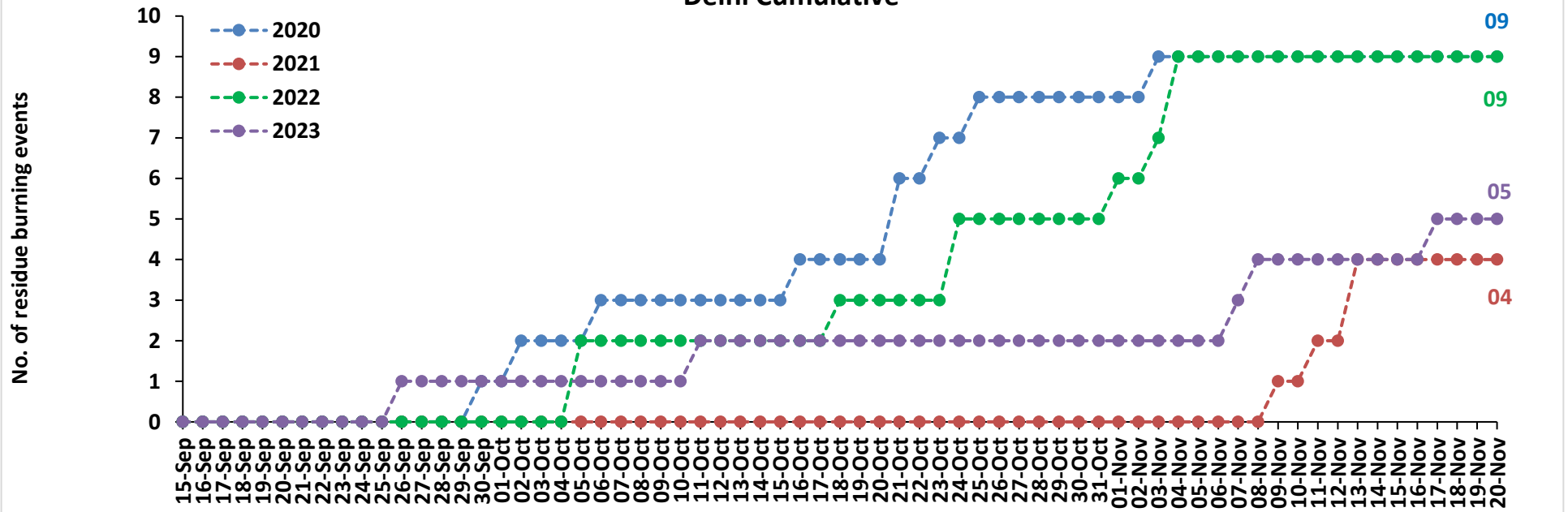
Rajasthan Cumulative



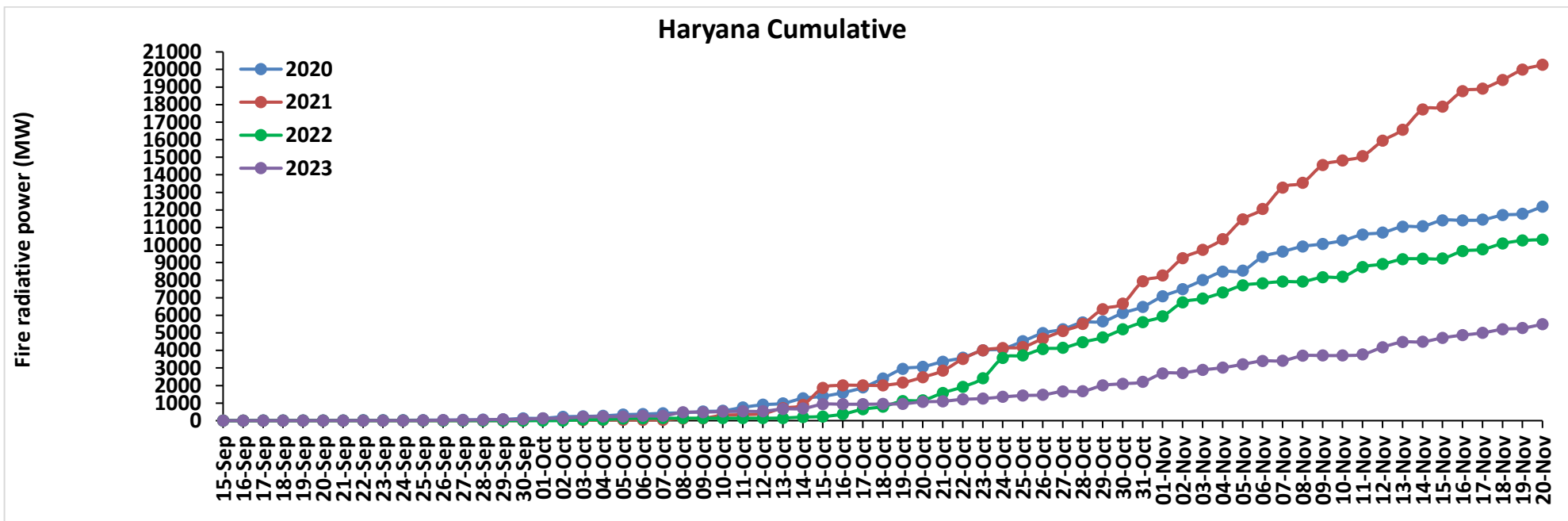
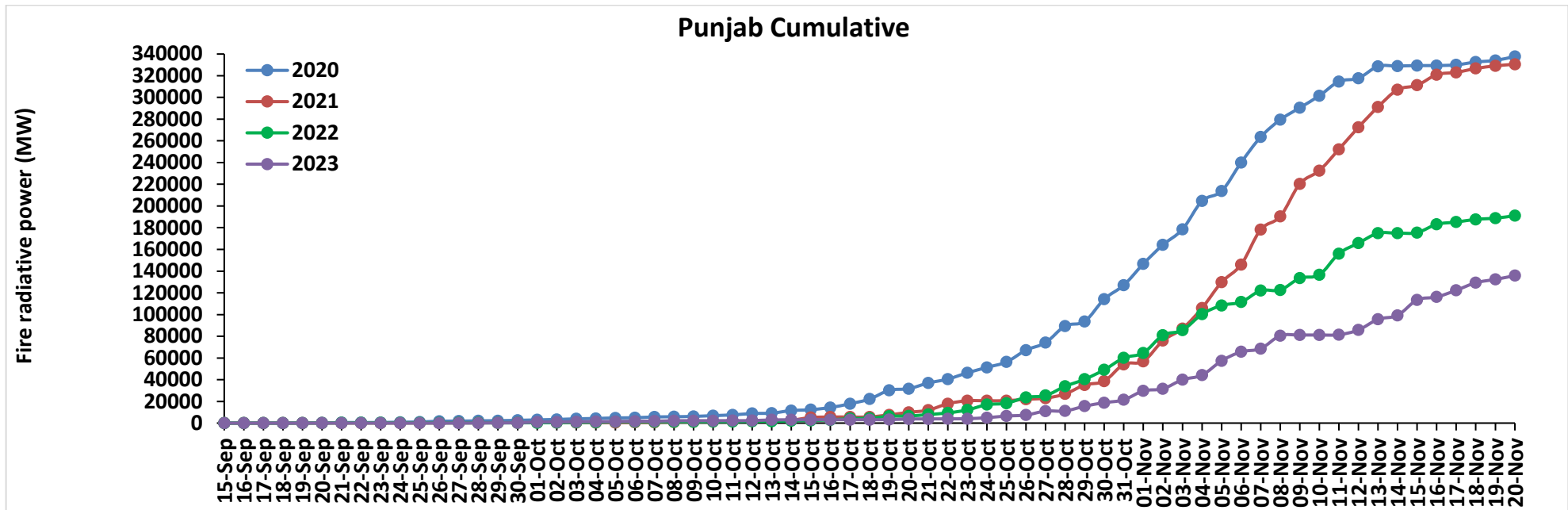
Madhya Pradesh Cumulative



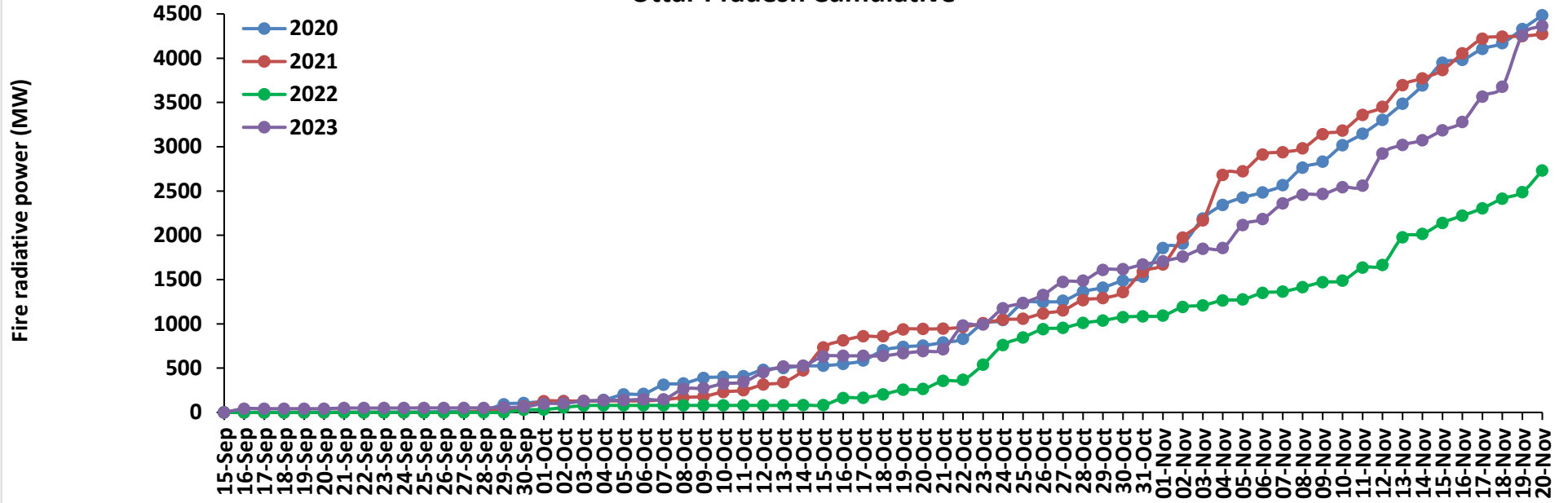
Delhi Cumulative



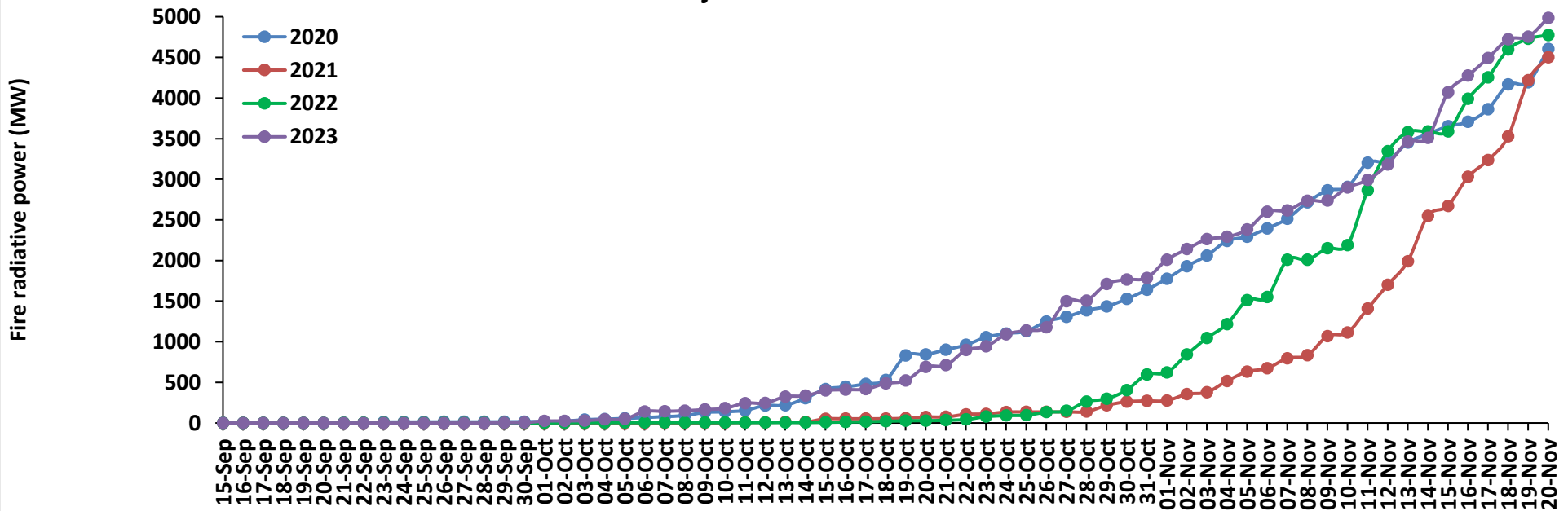
Comparison of residue burning fire power in current year (2023) with previous years (2020, 2021 and 2022) for the study States



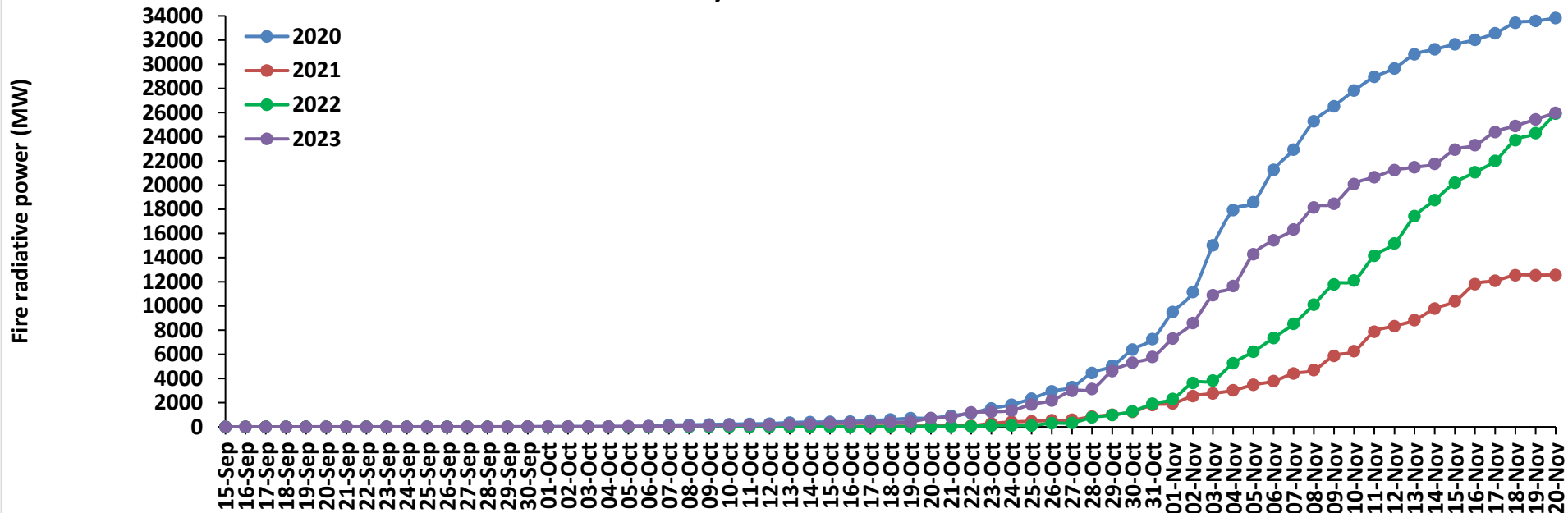
Uttar Pradesh Cumulative



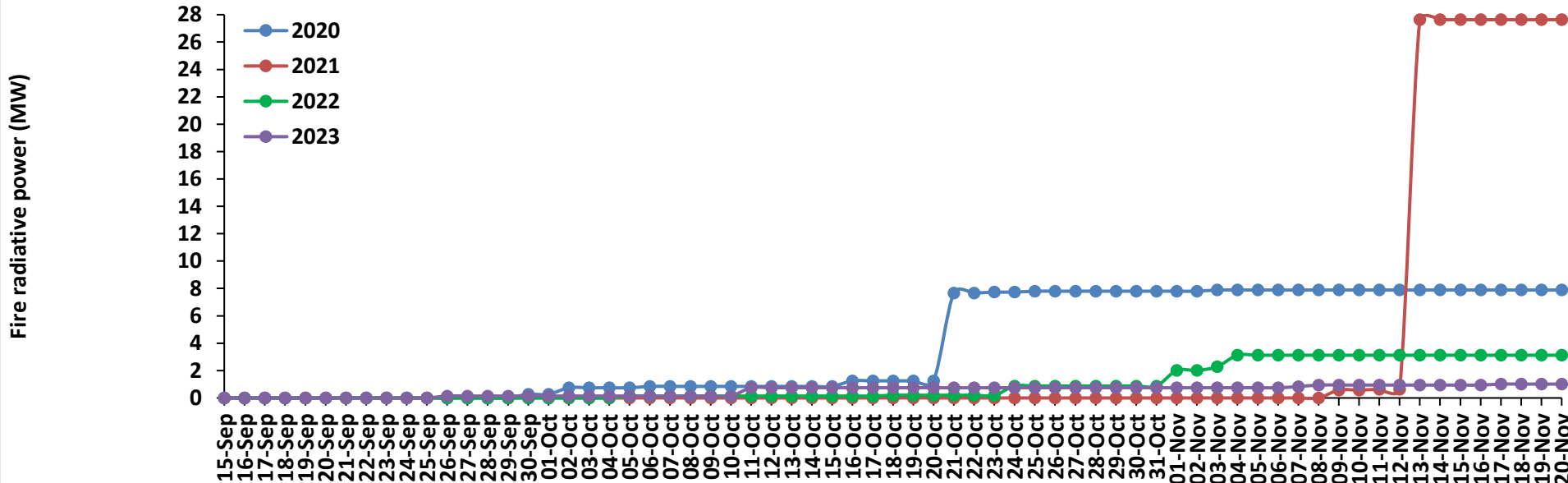
Rajasthan Cumulative



Madhya Pradesh Cumulative

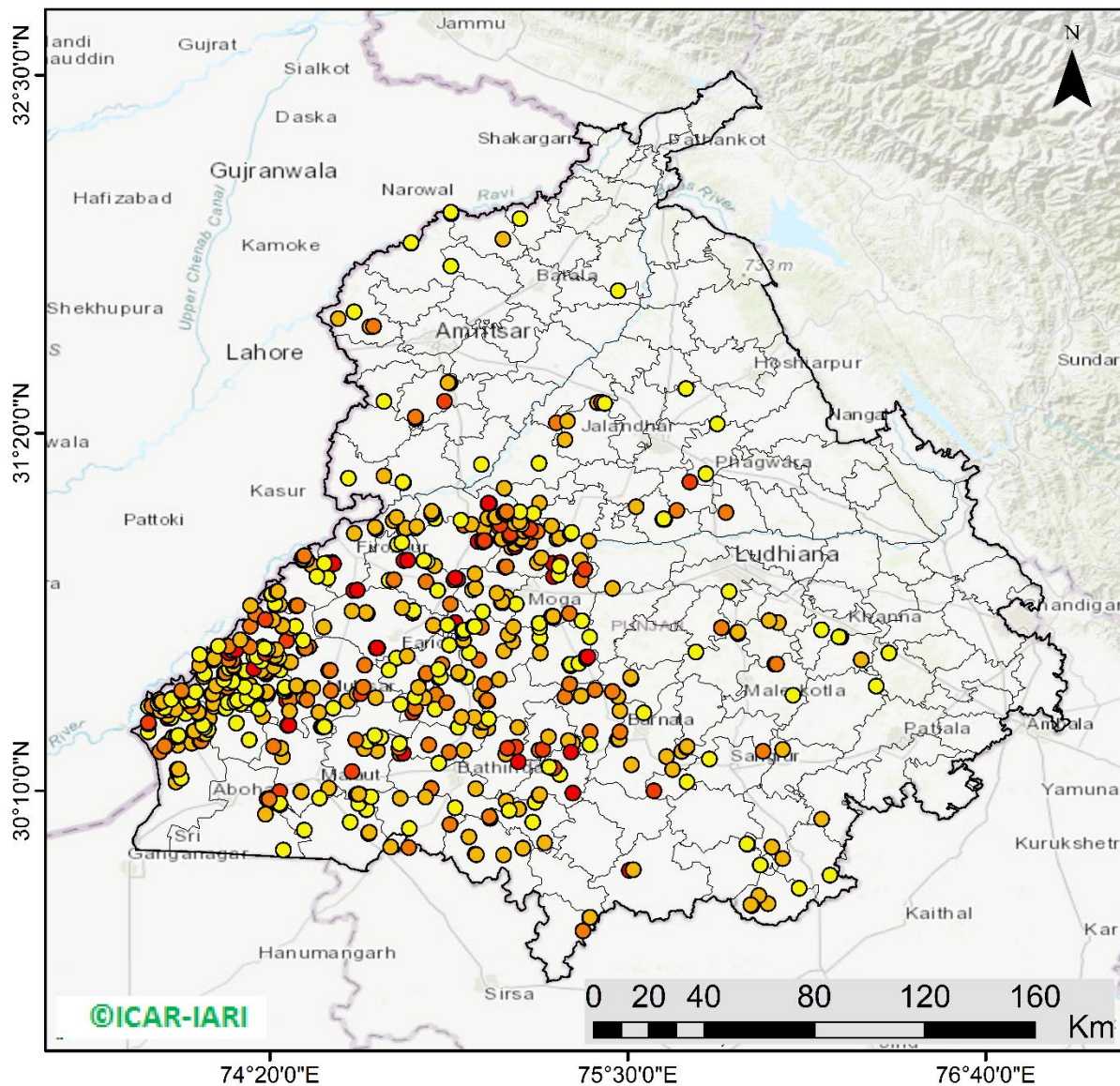


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



634 burning events detected in Punjab during (20th Nov 2023)

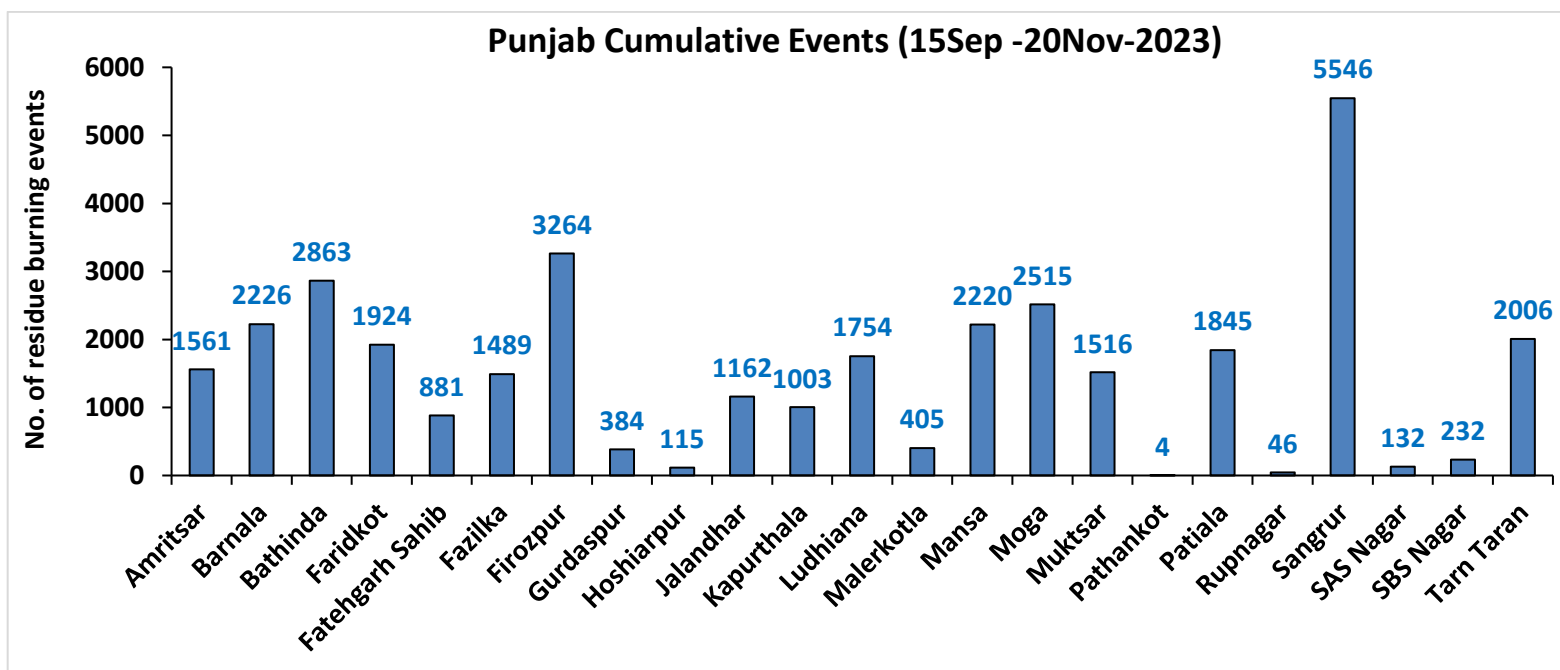
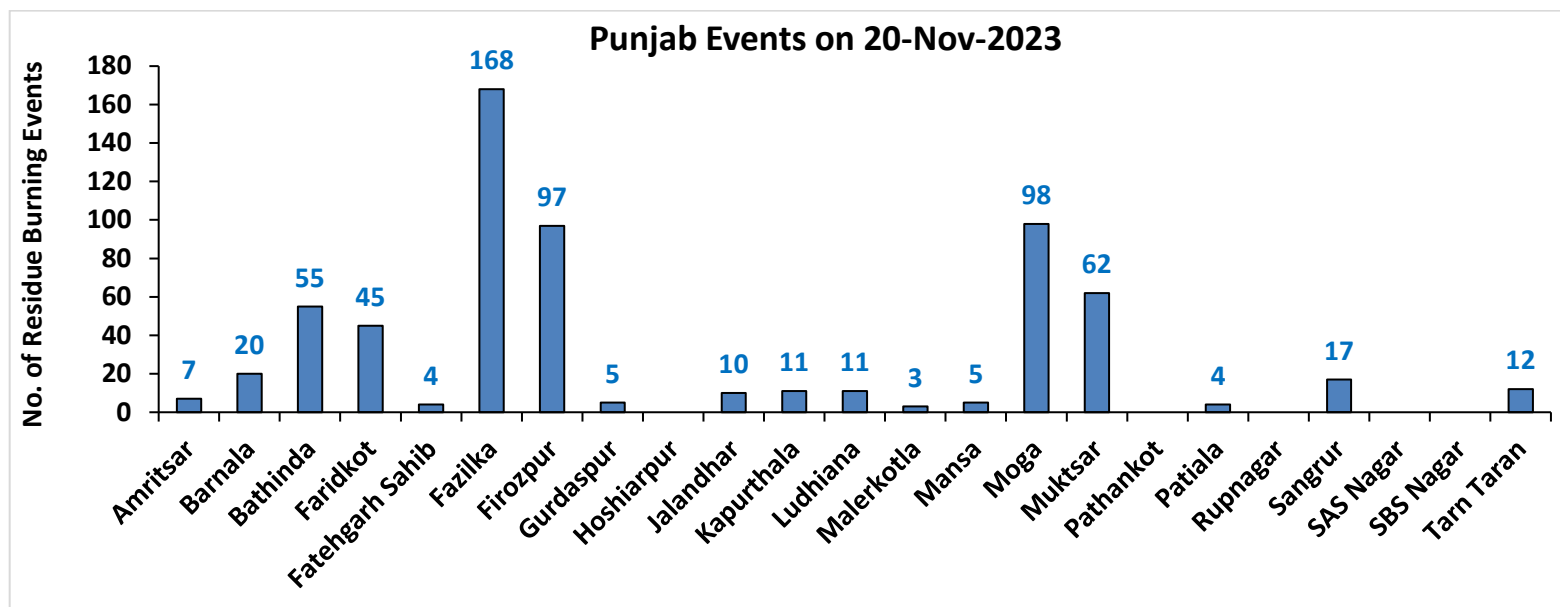
Fire Intensity (W/m²)

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



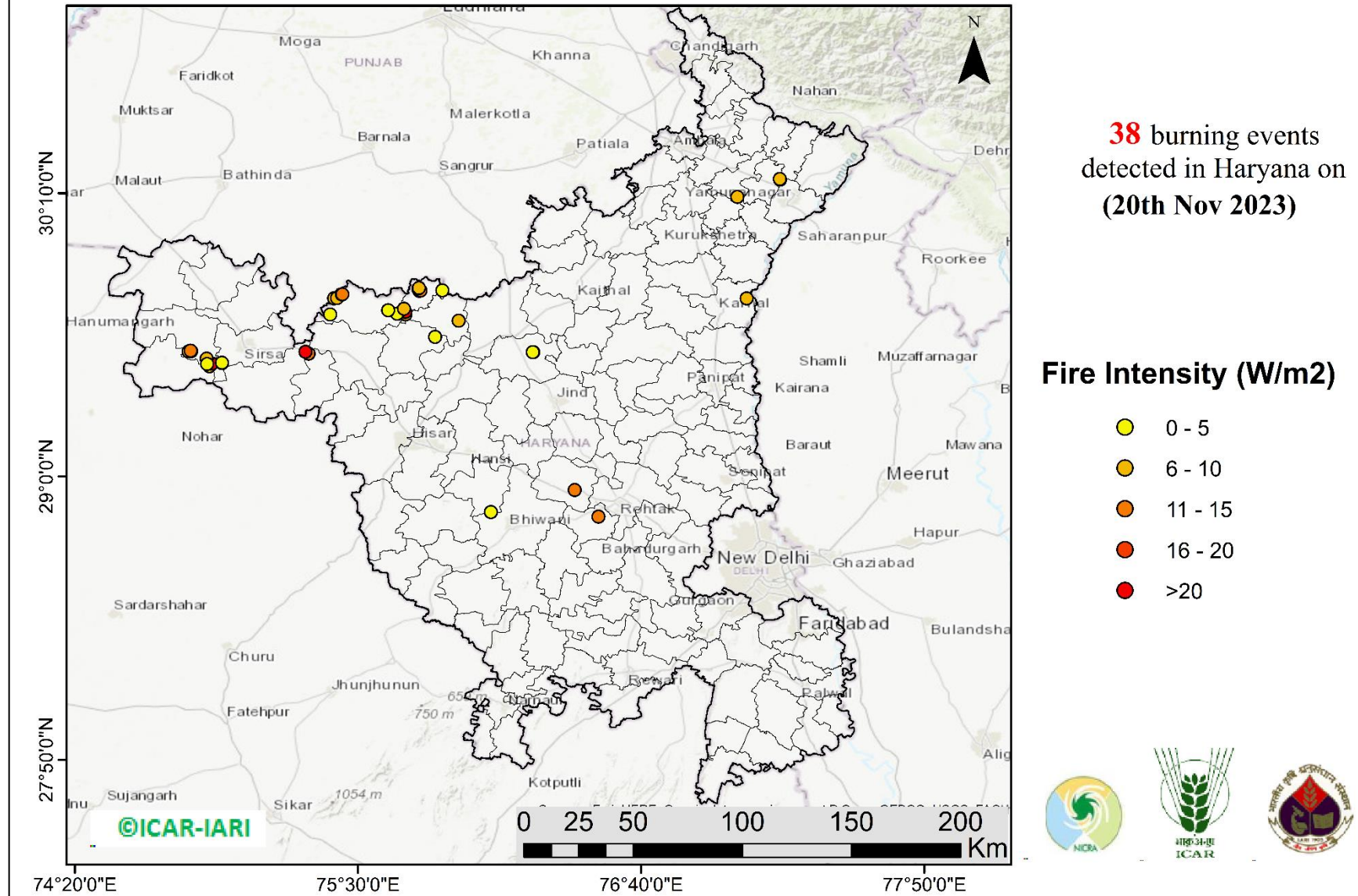
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep- 20Nov-2023)



Haryana

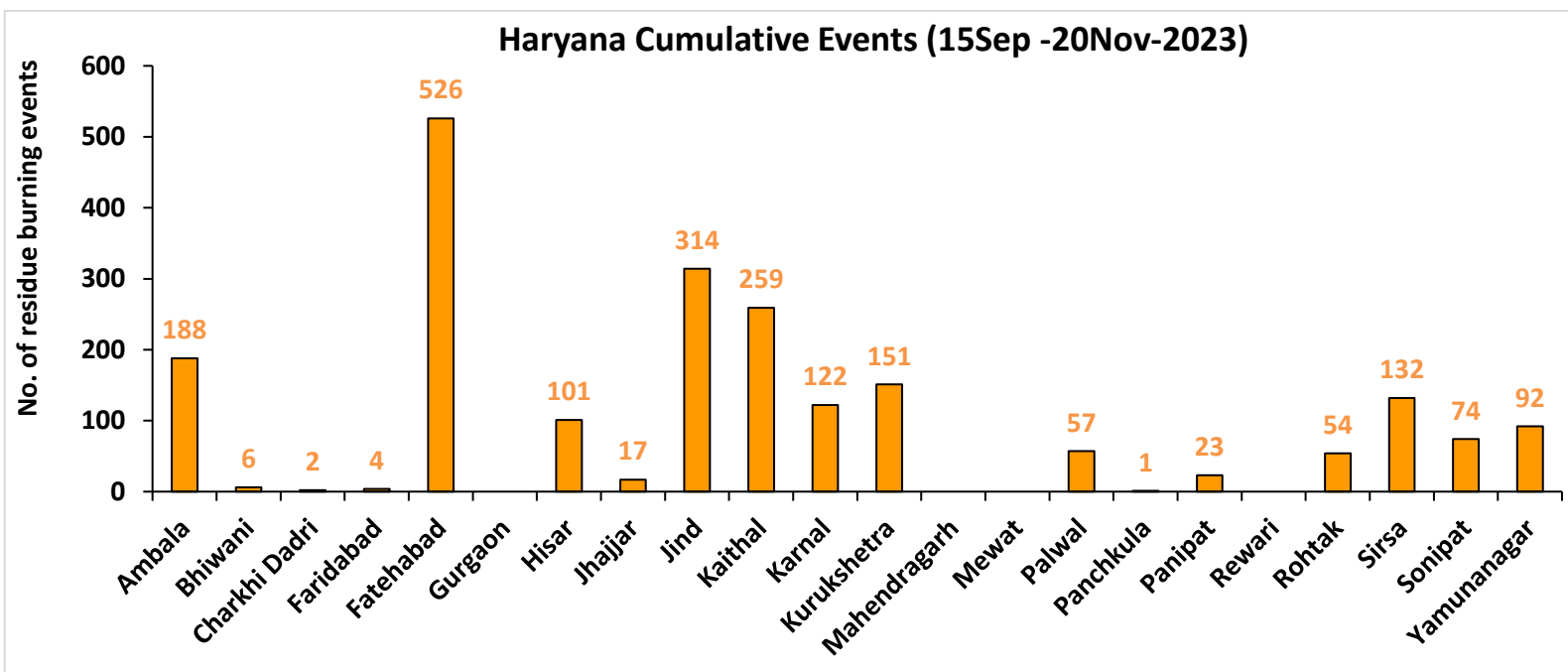
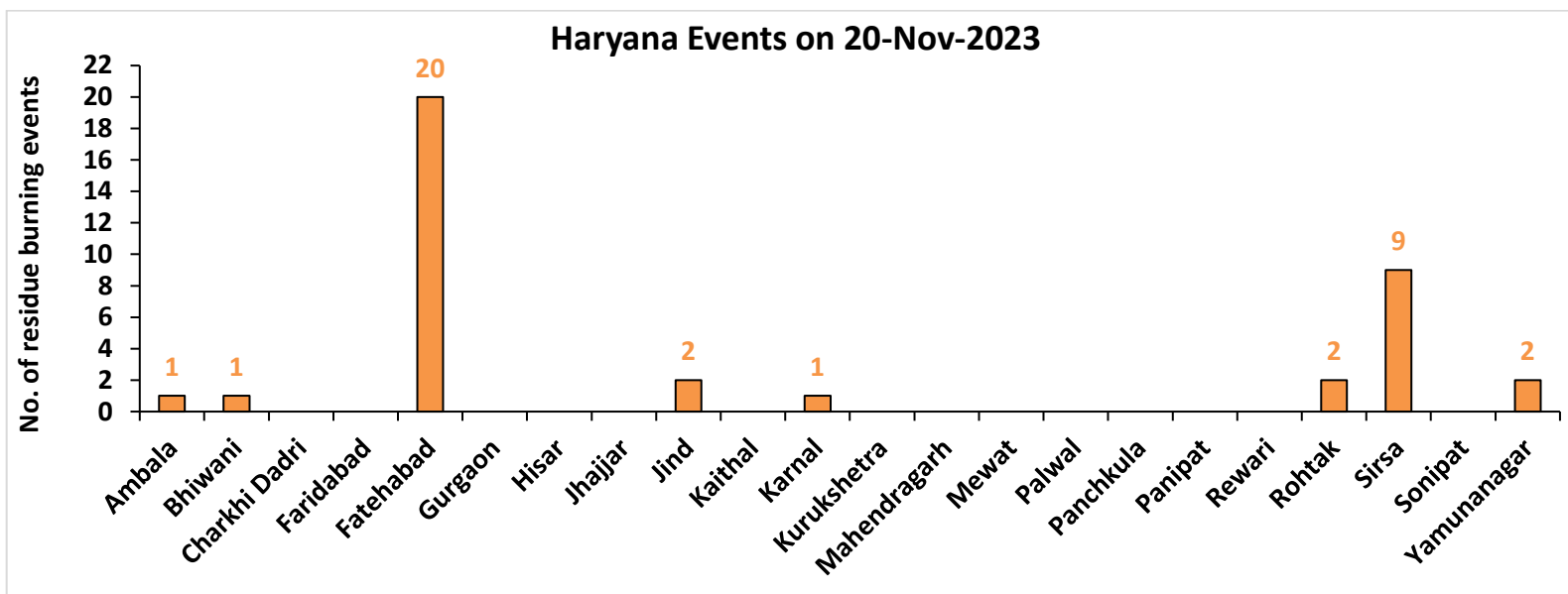
RICE RESIDUE BURNING IN HARYANA



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

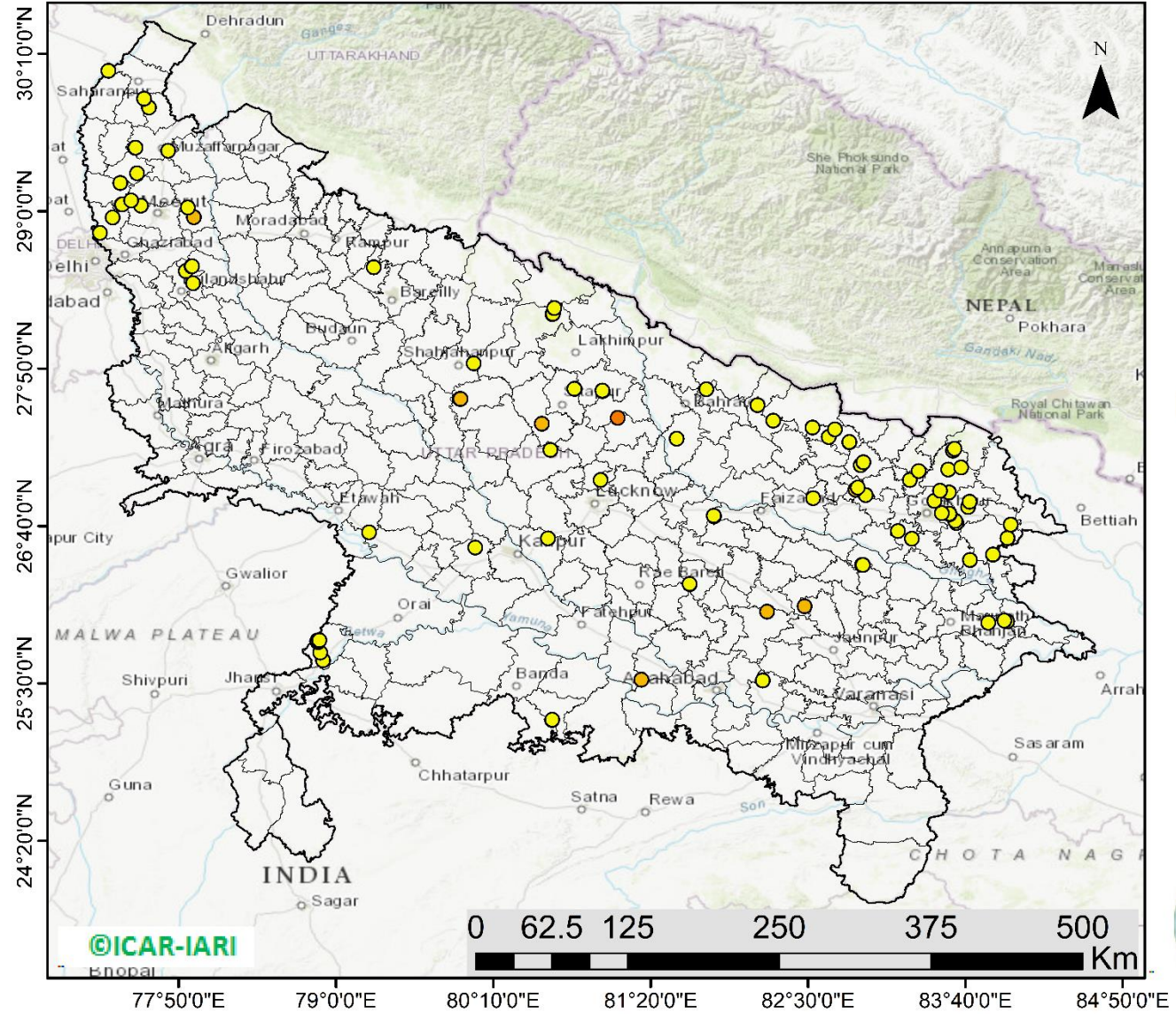


District-wise cumulative number of residues burning events in Haryana (15Sep- 20Nov-2023)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



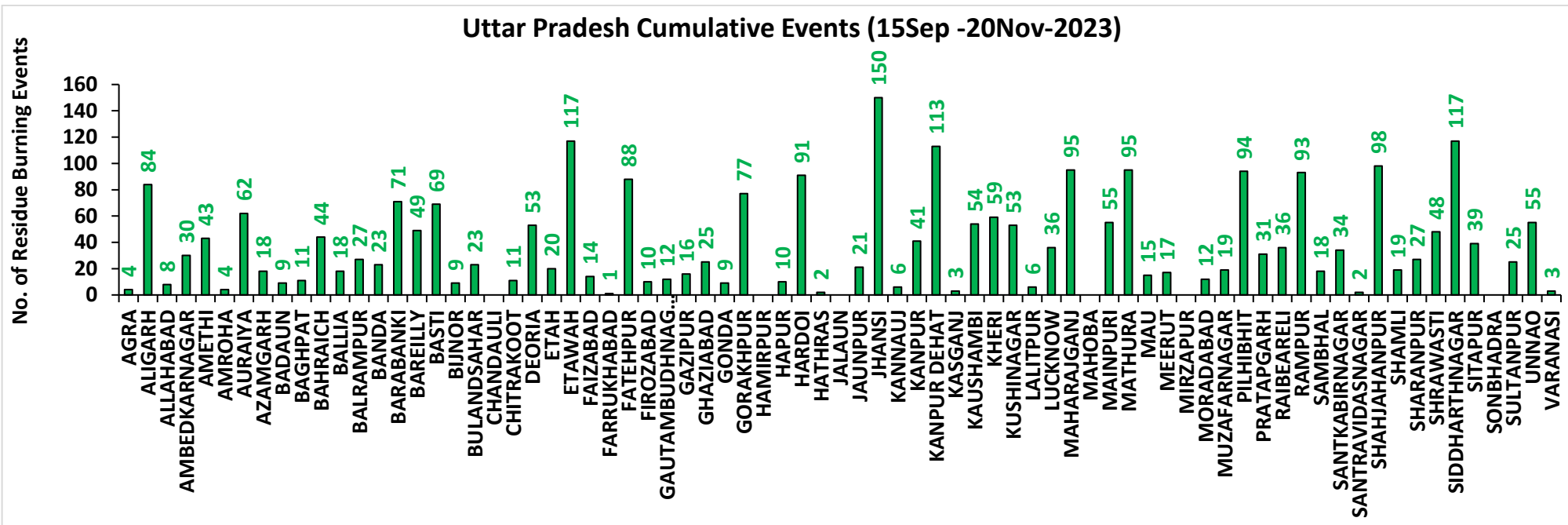
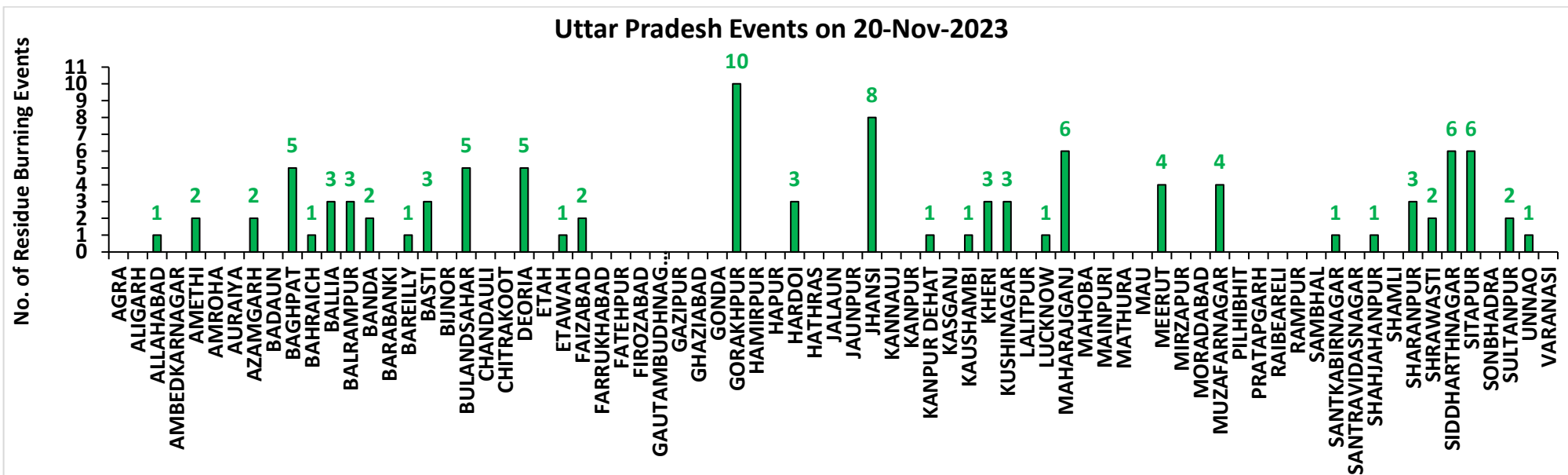
102 burning events detected in Uttar Pradesh on (20th Nov 2023)

Fire Intensity (W/m²)

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

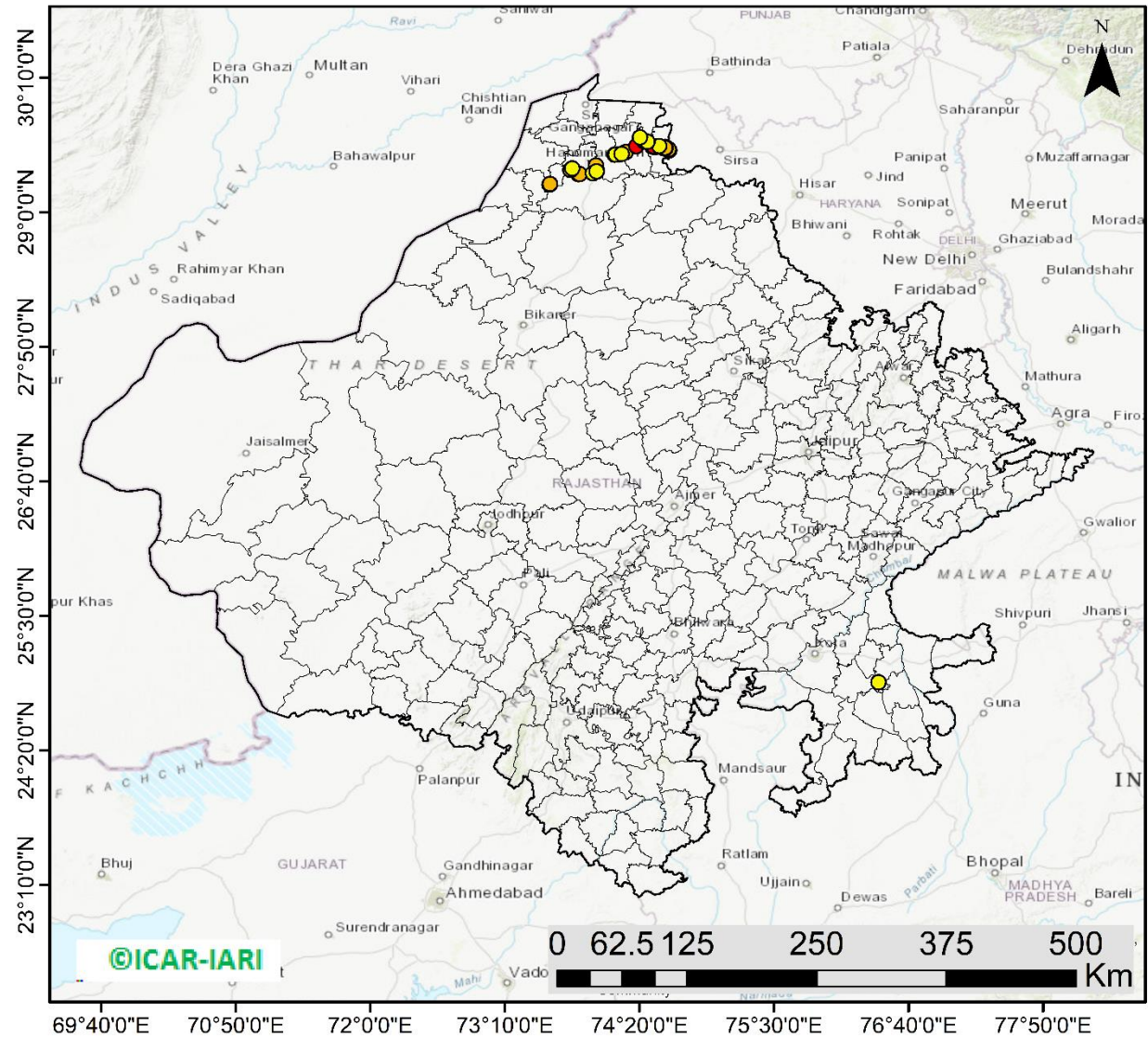
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-20Nov -2023)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



40 burning events detected in Rajasthan on (20th Nov 2023)

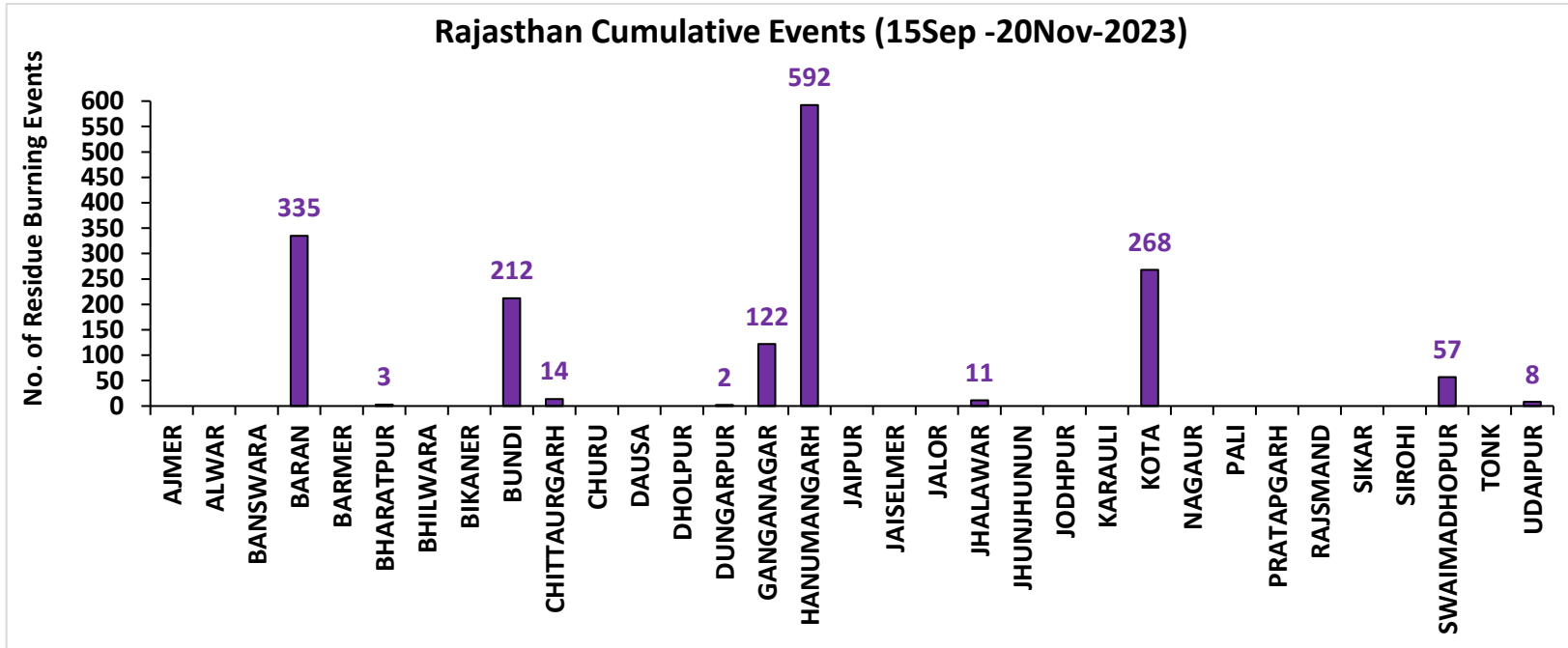
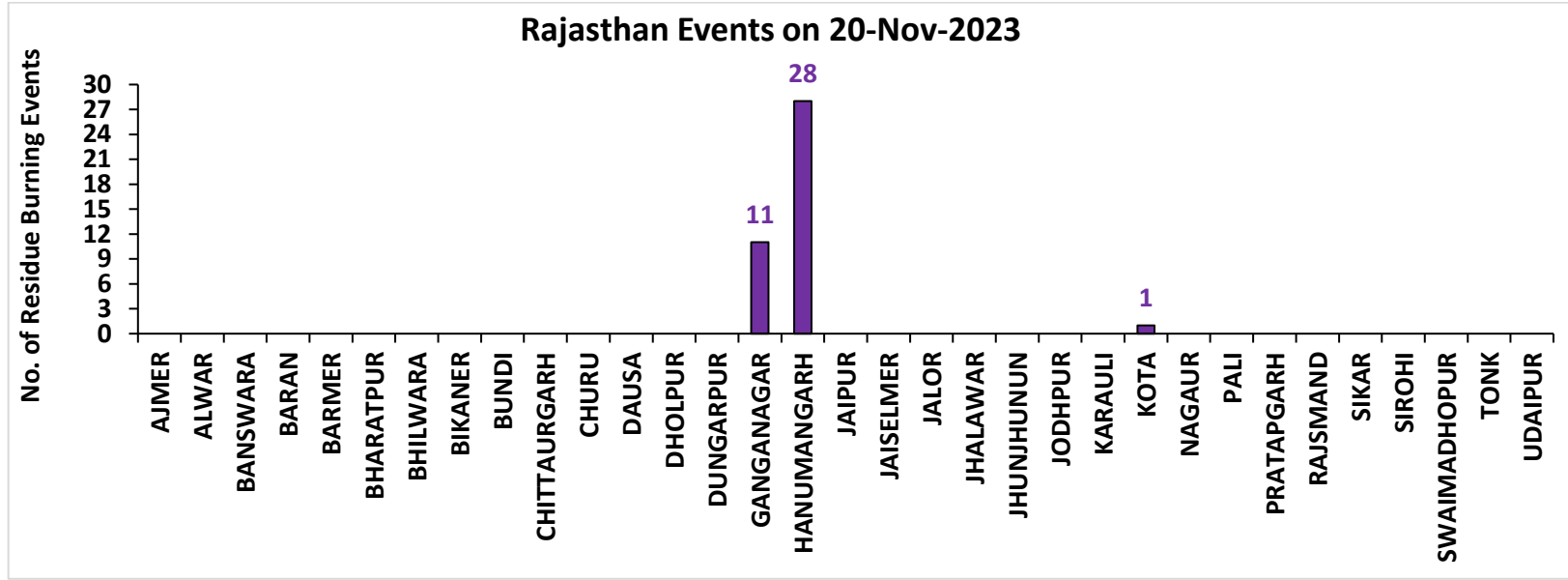
Fire Intensity (W/m²)

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



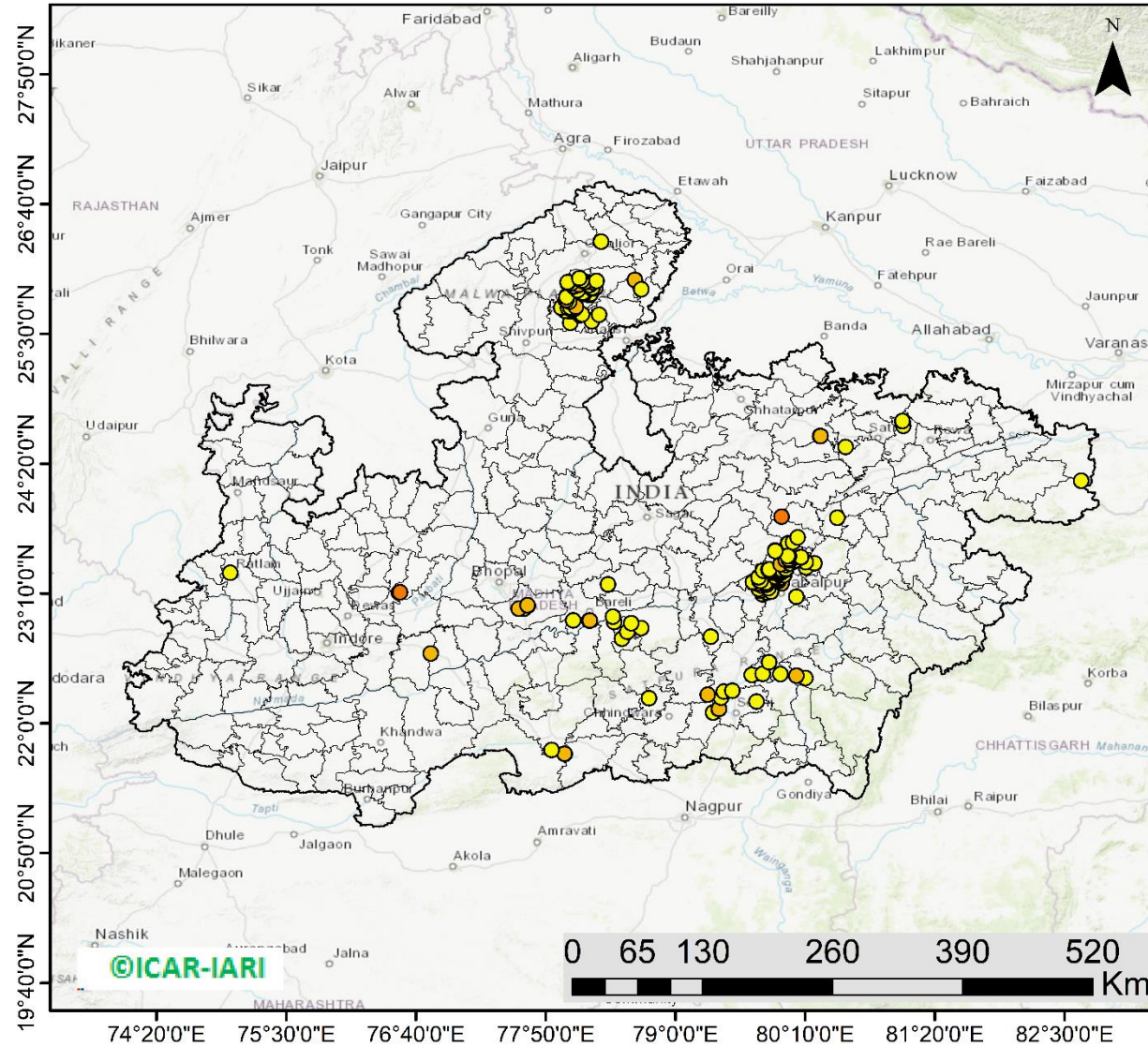
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15Sep-20Nov -2023)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



208 burning events
detected in MP on
(20th Nov 2023)

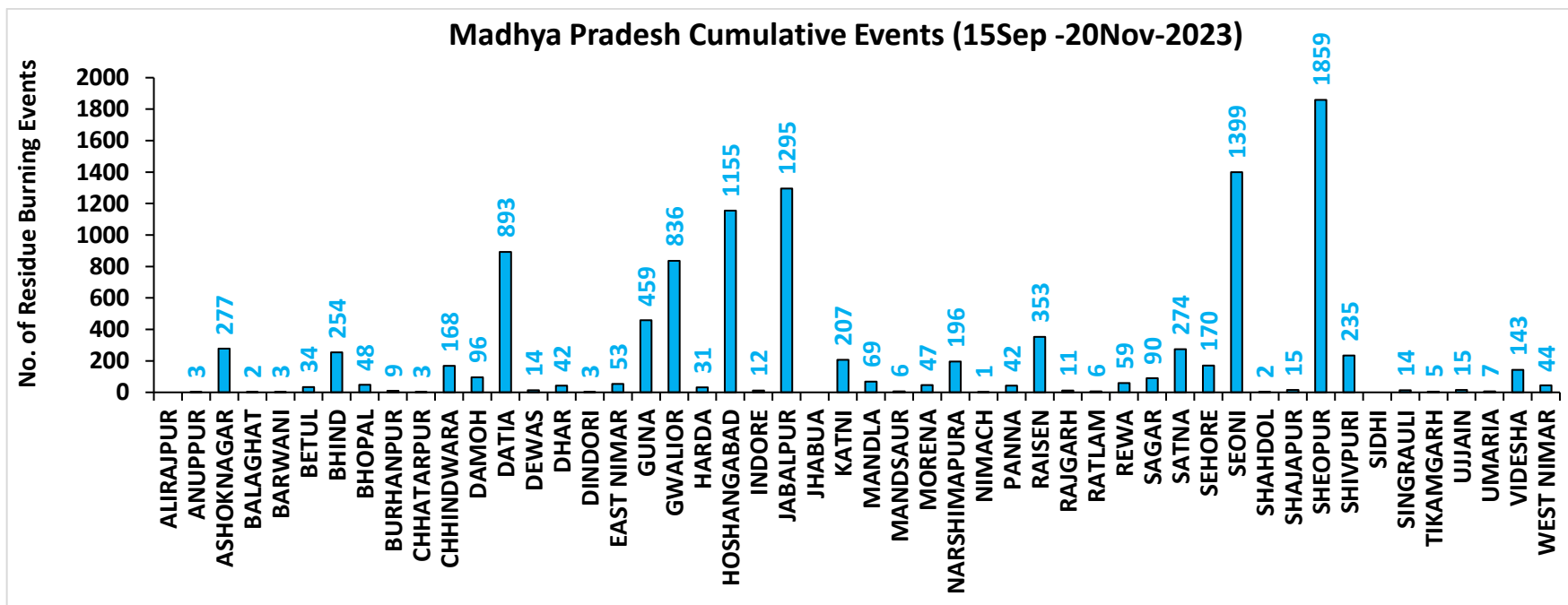
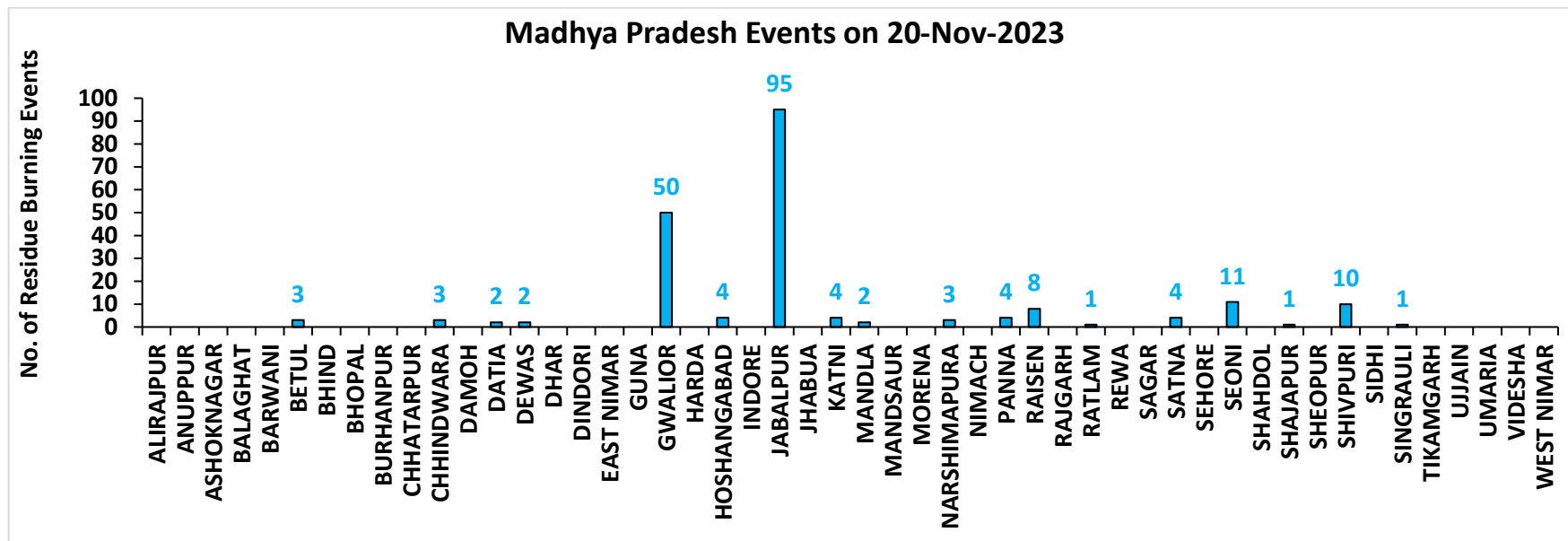
Fire Intensity (W/m2)

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



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

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-20Nov -2023)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022 and 2023
(Period: 15 September-20 November)

(a) Punjab

District	15 Sep-20 Nov			
	2020	2021	2022	2023
Amritsar	3059	2162	1537	1561
Barnala	5304	4314	2902	2226
Bathinda	5184	4461	4534	2863
Faridkot	4703	3938	2660	1924
Fatehgarh Sahib	1532	1715	1143	881
Fazilka	2381	2311	2467	1489
Firozpur	8459	6255	4504	3264
Gurdaspur	2122	1390	841	384
Hoshiarpur	386	327	256	115
Jalandhar	1933	2540	1377	1162
Kapurthala	1881	1791	1274	1003
Ludhiana	5023	5794	2660	1754
Malerkotla*	--	--	--	405
Mansa	3756	3172	2776	2220
Moga	7342	6491	3561	2515
Muktsar	4883	4501	3698	1516
Pathankot	13	6	1	4
Patiala	6416	5395	3392	1845
Rupnagar	205	306	245	46
Sangrur	11707	9374	5906	5546
SAS NAGAR	127	147	103	132
SBS Nagar	131	353	268	232
Tarn Taran	5600	4113	3178	2006
Total	82147	70856	49283	35093

(b) Haryana

District	15 Sep-20 Nov			
	2020	2021	2022	2023
AMBALA	345	299	221	188
BHIWANI	4	9	6	6
CHARKHI DADRI	0	0	0	2
FARIDABAD	1	3	1	4
FATEHABAD	795	1399	742	526
GURGAON	0	0	0	0
HISAR	49	169	101	101
JHAJJAR	6	5	6	17
JIND	336	833	514	314
KAITHAL	831	1143	637	259
KARNAL	578	949	297	122
KURUKSHETRA	405	538	298	151
MAHENDRAGARH	0	0	0	0
MEWAT	0	0	0	0
PALWAL	46	113	51	57
PANCHKULA	0	0	0	1
PANIPAT	48	220	79	23
REWARI	0	0	0	0
ROHTAK	45	44	42	54
SIRSA	187	421	272	132
SONIPAT	66	174	80	74
YAMUNANAGAR	142	145	144	92
Total	3884	6464	3491	2123

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

Sangrur events in 2023 do not include Malerkotla events.

(c) Uttar Pradesh

District	15 Sep-20 Nov													
	2020	2021	2022	2023	GAUTAMBUDHNAGAR	14	19	10	12	MUZAFARNAGAR	40	15	10	19
AGRA	7	0	0	4	GAZIPUR	10	10	12	16	PILHIBHIT	16	205	140	94
ALIGARH	112	39	42	84	GHAZIABAD	20	12	6	25	PRATAPGARH	31	19	19	31
ALLAHABAD	25	11	8	8	GONDA	12	9	1	9	RAIBEARELI	15	36	24	36
AMBEDKARNAGAR	18	11	18	30	GORAKHPUR	40	19	21	77	RAMPUR	155	183	102	93
AMETHI	3	13	12	43	HAMIRPUR	4	0	0	0	SAMBHAL	18	14	12	18
AMROHA	11	7	4	4	HAPUR	23	8	4	10	SANTKABIRNAGAR	26	14	7	34
AURAIYA	76	49	35	62	HARDOI	93	90	62	91	SANTRAVIDASNAGAR	4	1	3	2
AZAMGARH	41	3	11	18	HATHRAS	0	0	1	2	SHAHJAHANPUR	125	393	291	98
BADAUN	13	16	4	9	JALAUN	37	0	0	0	SHAMLI	46	36	9	19
BAGHPAT	16	9	9	11	JAUNPUR	35	12	14	21	SHARANPUR	93	64	17	27
BAHRAICH	105	50	21	44	JHANSI	255	69	94	150	SHRAWASTI	45	33	15	48
BALLIA	62	14	24	18	KANNAUJ	31	6	3	6	SIDDHARTHANAGAR	66	101	31	117
BALRAMPUR	64	17	11	27	KANPUR	27	30	19	41	SITAPUR	51	44	21	39
BANDA	19	5	8	23	KANPUR DEHAT	70	37	40	113	SONBHADRA	0	0	0	0
BARABANKI	33	56	54	71	KASGANJ	2	2	1	3	SULTANPUR	4	14	18	25
BAREILLY	70	57	47	49	KAUSHAMBI	54	63	30	54	UNNAO	40	23	30	55
BASTI	51	42	9	69	KHERI	141	150	125	59	VARANASI	1	2	0	3
BIJNOR	34	34	8	9	KUSHINAGAR	65	12	20	53	Total	3268	2808	1905	2751
BULANDSAHAR	51	6	15	23	LALITPUR	3	6	3	6					
CHANDAULI	3	0	0	0	LUCKNOW	35	32	13	36					
CHITRAKOOT	12	9	6	11	MAHARAJGANJ	44	74	72	95					
DEORIA	76	9	22	53	MAHOBA	27	0	0	0					
ETAH	17	10	5	20	MAINPURI	60	43	30	55					
ETAWAH	65	54	45	117	MATHURA	159	236	30	95					
FAIZABAD	9	4	4	14	MAU	17	9	3	15					
FARRUKHABAD	5	3	1	1	MEERUT	54	21	26	17					
FATEHPUR	106	79	76	88	MIRZAPUR	7	8	2	0					
FIROZABAD	26	17	9	10	MORADABAD	23	10	6	12					

(d) Delhi

District	15 Sep-20 Nov			
	2020	2021	2022	2023
CENTRAL	0	0	0	0
EAST	0	0	0	0
NEW DELHI	0	0	0	0
NORTH	3	3	8	5
NORTH EAST	0	0	0	0
NORTH WEST DELHI	3	1	0	0
SHAHADRA	0	0	0	0
SOUTH	1	0	0	0
SOUTH EAST	0	0	0	0
SOUTH WEST DELHI	0	0	0	0
WEST DELHI	2	0	1	0
Total	9	4	9	5

(e) Rajasthan

District	15 Sep-20 Nov			
	2020	2021	2022	2023
AJMER	3	0	0	0
ALWAR	9	0	0	0
BANSWARA	0	0	0	0
BARAN	166	11	74	335
BARMER	4	0	0	0
BHARATPUR	2	3	1	3
BHILWARA	11	0	0	0
BIKANER	1	0	0	0
BUNDI	128	84	180	212
CHITTAURGARH	1	12	8	14
CHURU	0	0	0	0
DAUSA	1	0	0	0
DHOLPUR	0	0	0	0
DUNGARPUR	0	0	2	2
GANGANAGAR	173	122	100	122
HANUMANGARH	782	744	644	592
JAIPUR	4	0	0	0
JAISELMER	5	0	0	0
JALOR	2	0	0	0
JHALAWAR	9	1	10	11
JHUNJHUNUN	1	0	0	0
JODHPUR	5	0	0	0
KARAULI	1	0	0	0
KOTA	116	56	141	268
NAGAU	3	0	0	0
PALI	9	0	0	0
PRATAPGARH	8	0	0	0
RAJSMAND	1	0	0	0
SIKAR	0	0	0	0
SIROHI	2	0	0	0
SWAIMADHOPUR	65	34	55	57
TONK	5	0	0	0
UDAIPUR	2	1	0	8
Total	1519	1068	1215	1624

(f) Madhya Pradesh

District	15 Sep-20 Nov								
	2020	2021	2022	2023					
					PANNA	49	17	24	42
ALIRAJPUR	0	0	0	0	RAISEN	585	261	344	353
ANUPPUR	0	1	4	3	RAJGARH	10	3	5	11
ASHOKNAGAR	152	85	184	277	RATLAM	3	5	3	6
BALAGHAT	5	4	1	2	REWA	124	64	55	59
BARWANI	3	0	0	3	SAGAR	28	30	53	90
BETUL	36	14	16	34	SATNA	544	287	315	274
BHIND	251	127	193	254	SEHORE	150	134	192	170
BHOPAL	49	33	35	48	SEONI	1228	881	1086	1399
BURHANPUR	15	1	1	9	SHAHDOL	3	0	1	2
CHHATARPUR	7	0	2	3	SHAJAPUR	17	0	0	15
CHHINDWARA	127	53	94	168	SHEOPUR	1803	938	1793	1859
DAMOH	73	51	66	96	SHIVPURI	346	52	218	235
DATIA	1178	441	824	893	SIDHI	4	2	1	0
DEWAS	8	0	0	14	SINGRAULI	0	4	3	14
DHAR	43	0	0	42	TIKAMGARH	4	0	1	5
DINDORI	0	0	1	3	UJJAIN	10	0	0	15
EAST NIMAR	22	7	11	53	UMARIA	7	4	10	7
GUNA	67	9	118	459	VIDESHA	133	86	83	143
GWALIOR	1962	387	1419	836	WEST NIMAR	61	10	14	44
HARDA	14	21	10	31	Total	13061	6042	9909	10959
HOSHANGABAD	1056	1056	1083	1155					
INDORE	4	0	0	12					
JABALPUR	2107	640	1120	1295					
JHABUA	0	0	0	0					
KATNI	290	69	154	207					
MANDLA	141	95	118	69					
MANDSAUR	12	0	0	6					
MORENA	62	37	25	47					
NARSHIMAPURA	266	133	229	196					
NIMACH	2	0	0	1					

State-wise and date-wise number of paddy residue burning events detected in 2020, 2021, 2022 and 2023
(Period: 15 September-20 November)

Number of Paddy Residue Burning Events Detected

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

12-Oct	388	97	104	13	69	51	4	5	46	23	0	5
13-Oct	266	132	120	154	47	91	15	29	36	42	0	19
14-Oct	605	229	82	89	69	98	30	41	9	68	5	18
15-Oct	449	660	169	69	106	363	36	127	15	149	0	35
16-Oct	654	429	206	0	80	176	76	4	21	121	6	14
17-Oct	1172	14	403	1	143	0	86	0	38	39	7	0
18-Oct	938	57	342	18	166	1	134	8	76	0	30	2
19-Oct	1080	496	436	37	72	55	122	16	43	5	36	11
20-Oct	890	788	96	174	62	155	78	51	31	1	17	25
21-Oct	1392	597	393	146	101	131	107	68	25	5	23	59
22-Oct	1665	1111	582	30	128	140	122	25	32	3	18	117
23-Oct	1438	620	902	152	106	218	217	29	84	8	109	20
24-Oct	911	0	1019	360	57	38	250	70	63	11	212	38
25-Oct	1416	76	181	398	155	71	12	58	50	18	9	30
26-Oct	2126	329	1238	589	77	175	123	67	33	41	23	78
27-Oct	2563	279	1111	766	96	93	83	67	40	58	23	97
28-Oct	3232	906	2067	127	139	149	123	14	87	35	34	36
29-Oct	1624	1353	1898	1068	52	161	112	75	139	32	73	48
30-Oct	3946	1373	1761	1030	100	148	112	52	50	53	43	19
31-Oct	3531	2895	2131	1389	108	353	70	51	49	170	20	28
01-Nov	3835	1796	1842	1921	151	124	88	99	74	157	9	95
02-Nov	4098	3001	3634	1668	111	203	166	48	82	87	25	37
03-Nov	2818	2512	2666	1551	93	197	128	28	197	66	40	36
04-Nov	4584	3032	2437	1360	72	228	63	33	152	123	61	17
05-Nov	4529	5327	2817	3230	66	331	90	109	52	70	24	64
06-Nov	5382	3942	599	2060	151	219	46	65	43	208	28	87
07-Nov	5491	5199	2487	1515	150	182	37	26	86	46	8	169
08-Nov	3674	4397	604	2003	115	138	11	44	169	21	44	47
09-Nov	1718	5079	1778	639	21	217	69	27	115	51	58	17
10-Nov	3127	4008	1893	6	80	184	35	0	101	77	33	30
11-Nov	2822	4156	3916	104	93	126	152	27	71	151	36	35
12-Nov	1989	3403	2467	987	83	127	99	110	108	120	36	238
13-Nov	2441	3742	2175	1624	105	210	132	44	172	95	102	176

14-Nov	307	2541	4	1776	35	195	17	21	258	49	101	26
15-Nov	32	1761	141	2544	31	129	21	62	29	67	84	49
16-Nov	8	1757	1358	1271	0	269	84	46	15	138	48	56
17-Nov	248	523	966	1150	9	101	39	45	38	177	50	168
18-Nov	670	680	701	637	60	111	108	21	62	14	66	180
19-Nov	454	448	426	740	37	132	79	33	129	11	116	188
20-Nov	677	283	368	634	77	127	32	38	134	20	168	102
Total	82147	70856	49283	35093	3884	6464	3491	2123	3268	2808	1905	2751

Number of Paddy Residue Burning Events Detected

Date	Delhi				Rajasthan				Madhya Pradesh			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
15-Sep	0	0	0	0	1	0	0	0	2	0	0	0
16-Sep	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	0	0	0	0	0	0	0	0	0	0	0	0
18-Sep	0	0	0	0	0	0	0	0	0	0	0	0
19-Sep	0	0	0	0	0	0	0	0	0	0	0	1
20-Sep	0	0	0	0	0	0	0	0	0	0	0	1
21-Sep	0	0	0	0	1	0	1	0	2	0	0	0
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0
23-Sep	0	0	0	0	1	0	0	0	0	0	0	0
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	1	0	0	0	0	0	0	1
26-Sep	0	0	0	1	1	0	0	0	2	0	0	0
27-Sep	0	0	0	0	0	0	0	0	1	0	0	0
28-Sep	0	0	0	0	0	0	0	0	1	1	0	2
29-Sep	0	0	0	0	3	0	0	6	0	4	0	5
30-Sep	1	0	0	0	1	0	0	4	5	0	0	11
01-Oct	0	0	0	0	4	1	1	4	13	0	1	8
02-Oct	1	0	0	0	7	0	3	4	12	0	1	1
03-Oct	0	0	0	0	9	0	2	5	5	1	5	5
04-Oct	0	0	0	0	15	0	0	22	4	2	0	12
05-Oct	0	0	2	0	14	0	1	11	13	1	0	18

06-Oct	1	0	0	0	16	0	0	9	37	1	0	7
07-Oct	0	0	0	0	14	1	1	7	31	1	0	9
08-Oct	0	0	0	0	11	0	0	9	17	2	0	18
09-Oct	0	0	0	0	12	0	0	17	15	4	0	24
10-Oct	0	0	0	0	14	1	0	26	18	10	0	52
11-Oct	0	0	0	1	21	7	1	21	32	2	0	24
12-Oct	0	0	0	0	24	1	2	1	44	1	1	1
13-Oct	0	0	0	0	7	5	2	28	21	2	7	32
14-Oct	0	0	0	0	16	1	1	15	15	11	1	26
15-Oct	0	0	0	0	9	8	2	34	8	27	2	66
16-Oct	1	0	0	0	12	2	4	18	23	13	2	51
17-Oct	0	0	0	0	26	0	4	12	63	1	11	31
18-Oct	0	0	1	0	37	2	12	11	88	0	15	13
19-Oct	0	0	0	0	27	5	12	31	49	1	12	65
20-Oct	0	0	0	0	26	4	4	57	9	21	7	131
21-Oct	2	0	0	0	32	2	6	34	112	30	18	147
22-Oct	0	0	0	0	29	5	12	57	183	29	31	119
23-Oct	1	0	0	0	23	7	20	29	204	32	70	89
24-Oct	0	0	2	0	20	4	7	38	150	34	26	132
25-Oct	1	0	0	0	18	2	4	47	144	60	0	159
26-Oct	0	0	0	0	34	3	21	59	178	55	57	320
27-Oct	0	0	0	0	42	1	21	73	294	62	38	256
28-Oct	0	0	0	0	45	4	46	12	537	110	143	202
29-Oct	0	0	0	0	29	23	37	73	349	97	151	372
30-Oct	0	0	0	0	17	20	55	37	428	168	119	224
31-Oct	0	0	0	0	37	15	36	33	455	299	112	360
01-Nov	0	0	1	0	51	5	27	60	709	198	142	509
02-Nov	0	0	0	0	55	19	63	40	820	214	284	401
03-Nov	1	0	1	0	34	20	54	38	771	148	323	552
04-Nov	0	0	2	0	46	19	34	21	618	123	348	408
05-Nov	0	0	0	0	46	45	91	59	474	320	319	698
06-Nov	0	0	0	0	40	32	27	47	678	248	392	655
07-Nov	0	0	0	1	57	38	80	23	848	199	383	497
08-Nov	0	0	0	1	33	44	5	29	981	170	783	417
09-Nov	0	1	0	0	34	48	22	3	495	330	570	251

10-Nov	0	0	0	0	48	40	34	27	346	380	282	508
11-Nov	0	1	0	0	75	55	95	29	418	506	482	488
12-Nov	0	0	0	0	31	40	84	33	422	185	421	300
13-Nov	0	2	0	0	54	78	63	60	670	171	773	144
14-Nov	0	0	0	0	16	88	1	53	294	346	633	164
15-Nov	0	0	0	0	6	51	2	84	35	353	507	326
16-Nov	0	0	0	0	16	81	78	27	145	660	316	423
17-Nov	0	0	0	1	60	38	48	45	191	261	416	465
18-Nov	0	0	0	0	75	77	55	25	352	126	524	363
19-Nov	0	0	0	0	27	73	19	37	124	16	625	187
20-Nov	0	0	0	0	59	53	15	40	106	6	556	208
Total	9	4	9	5	1519	1068	1215	1624	13061	6042	9909	10959

Details of residue burning events in Punjab on 20-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	Amritsar	Ajnala	AQUA	31.95200	74.79300	14:14:59	D	6.50
2	Amritsar	Ajnala	S-NPP	31.87705	74.92302	14:00:05	D	4.60
3	Amritsar	Ajnala	S-NPP	31.95342	74.79367	14:00:05	D	2.80
4	Amritsar	Chogawan	AQUA	31.67900	74.65900	14:14:59	D	6.30
5	Amritsar	Chogawan	AQUA	31.68100	74.67100	14:14:59	D	14.10
6	Amritsar	Chogawan	AQUA	31.70600	74.55600	14:14:59	D	5.40
7	Amritsar	Chogawan	S-NPP	31.72806	74.60760	14:00:05	D	3.20
8	Barnala	Barnala	AQUA	30.27800	75.62600	14:14:59	D	9.50
9	Barnala	Barnala	S-NPP	30.23538	75.64603	14:00:05	D	6.70
10	Barnala	Barnala	S-NPP	30.25096	75.51154	14:00:05	D	10.00
11	Barnala	Barnala	S-NPP	30.33450	75.46635	14:00:05	D	7.90
12	Barnala	Barnala	S-NPP	30.33501	75.47176	14:00:05	D	7.90
13	Barnala	Barnala	S-NPP	30.35851	75.47443	14:00:05	D	14.70
14	Barnala	Mahal Kalan	S-NPP	30.42032	75.55206	14:00:05	D	5.00
15	Barnala	Mahal Kalan	S-NPP	30.53221	75.51003	14:00:05	D	4.30
16	Barnala	Mahal Kalan	S-NPP	30.53683	75.50948	14:00:05	D	8.20
17	Barnala	Sehna	AQUA	30.35900	75.37700	14:14:59	D	13.40
18	Barnala	Sehna	AQUA	30.47300	75.29500	14:14:59	D	14.30
19	Barnala	Sehna	AQUA	30.49500	75.39300	14:14:59	D	11.20
20	Barnala	Sehna	S-NPP	30.31686	75.37626	14:00:05	D	4.40
21	Barnala	Sehna	S-NPP	30.42721	75.47403	14:00:05	D	8.00
22	Barnala	Sehna	S-NPP	30.47325	75.46853	14:00:05	D	5.60
23	Barnala	Sehna	S-NPP	30.47571	75.34847	14:00:05	D	3.40
24	Barnala	Sehna	S-NPP	30.47573	75.34734	14:00:05	D	7.00
25	Barnala	Sehna	S-NPP	30.48944	75.44910	14:00:05	D	4.90
26	Barnala	Sehna	S-NPP	30.49011	75.45006	14:00:05	D	12.90
27	Barnala	Sehna	S-NPP	30.51392	75.31035	14:00:05	D	12.00
28	Bathinda	Bathinda	AQUA	30.17300	75.00400	14:14:59	D	8.40
29	Bathinda	Bathinda	AQUA	30.17400	74.85900	14:14:59	D	10.10

30	Bathinda	Bathinda	S-NPP	30.10223	75.11284	14:00:05	D	2.30
31	Bathinda	Bhagta Bhai Ka	S-NPP	30.45913	75.03867	14:00:05	D	9.90
32	Bathinda	Goniana Mandi	AQUA	30.28700	74.75700	14:14:59	D	14.90
33	Bathinda	Goniana Mandi	AQUA	30.28900	74.76800	14:14:59	D	22.50
34	Bathinda	Goniana Mandi	AQUA	30.29200	74.91800	14:14:59	D	13.20
35	Bathinda	Goniana Mandi	AQUA	30.29800	74.96600	14:14:59	D	6.90
36	Bathinda	Goniana Mandi	AQUA	30.30600	74.75400	14:14:59	D	13.60
37	Bathinda	Goniana Mandi	AQUA	30.37100	75.04400	14:14:59	D	9.60
38	Bathinda	Goniana Mandi	S-NPP	30.25661	74.88367	14:00:05	D	4.90
39	Bathinda	Goniana Mandi	S-NPP	30.31616	74.85102	14:00:05	D	13.60
40	Bathinda	Goniana Mandi	S-NPP	30.31995	74.75571	14:00:05	D	4.70
41	Bathinda	Goniana Mandi	S-NPP	30.36212	75.01978	14:00:05	D	5.30
42	Bathinda	Goniana Mandi	S-NPP	30.37326	74.94662	14:00:05	D	3.80
43	Bathinda	Maur	AQUA	29.99700	75.22900	14:14:59	D	8.90
44	Bathinda	Maur	AQUA	30.10700	75.14400	14:14:59	D	8.20
45	Bathinda	Maur	AQUA	30.13200	75.10300	14:14:59	D	6.60
46	Bathinda	Maur	S-NPP	30.06414	75.19012	14:00:05	D	1.90
47	Bathinda	Maur	S-NPP	30.08240	75.04854	14:00:05	D	12.10
48	Bathinda	Nathana	AQUA	30.26100	75.14300	14:14:59	D	21.40
49	Bathinda	Nathana	AQUA	30.28600	75.10200	14:14:59	D	7.30
50	Bathinda	Nathana	AQUA	30.37300	75.14200	14:14:59	D	7.90
51	Bathinda	Nathana	S-NPP	30.30523	75.10773	14:00:05	D	19.70
52	Bathinda	Phul	AQUA	30.29900	75.21100	14:14:59	D	11.10
53	Bathinda	Phul	AQUA	30.30100	75.22300	14:14:59	D	15.90
54	Bathinda	Phul	AQUA	30.30900	75.13500	14:14:59	D	18.10
55	Bathinda	Phul	AQUA	30.31100	75.14700	14:14:59	D	61.10
56	Bathinda	Phul	AQUA	30.32200	75.32000	14:14:59	D	9.10
57	Bathinda	Phul	AQUA	30.33000	75.30600	14:14:59	D	7.90
58	Bathinda	Phul	AQUA	30.34200	75.24100	14:14:59	D	5.60
59	Bathinda	Rampura	AQUA	30.15900	75.32100	14:14:59	D	24.90
60	Bathinda	Rampura	S-NPP	30.12872	75.19785	14:00:05	D	3.80
61	Bathinda	Rampura	S-NPP	30.15280	75.21059	14:00:05	D	3.40
62	Bathinda	Rampura	S-NPP	30.15395	75.21260	14:00:05	D	8.80

63	Bathinda	Rampura	S-NPP	30.21963	75.27832	14:00:05	D	4.60
64	Bathinda	Rampura	S-NPP	30.24029	75.25462	14:00:05	D	17.10
65	Bathinda	Rampura	S-NPP	30.24080	75.25985	14:00:05	D	19.20
66	Bathinda	Rampura	S-NPP	30.24381	75.24362	14:00:05	D	2.80
67	Bathinda	Rampura	S-NPP	30.29271	75.31479	14:00:05	D	20.90
68	Bathinda	Sangat	AQUA	29.98100	74.78600	14:14:59	D	13.40
69	Bathinda	Sangat	AQUA	29.98300	74.72700	14:14:59	D	5.20
70	Bathinda	Sangat	AQUA	30.11100	74.93700	14:14:59	D	4.80
71	Bathinda	Sangat	AQUA	30.14200	74.75800	14:14:59	D	6.00
72	Bathinda	Sangat	S-NPP	30.04350	74.78733	14:00:05	D	2.30
73	Bathinda	Sangat	S-NPP	30.05644	74.92003	14:00:05	D	13.80
74	Bathinda	Sangat	S-NPP	30.14581	74.65817	14:00:05	D	3.70
75	Bathinda	Sangat	S-NPP	30.14589	74.84037	14:00:05	D	5.80
76	Bathinda	Sangat	S-NPP	30.14629	74.66299	14:00:05	D	4.00
77	Bathinda	Talwandi Sabo	AQUA	29.95700	75.09500	14:14:59	D	6.60
78	Bathinda	Talwandi Sabo	AQUA	29.96000	75.00300	14:14:59	D	9.60
79	Bathinda	Talwandi Sabo	AQUA	29.97900	75.15800	14:14:59	D	5.80
80	Bathinda	Talwandi Sabo	AQUA	30.01600	74.98200	14:14:59	D	7.20
81	Bathinda	Talwandi Sabo	AQUA	30.07600	75.05100	14:14:59	D	6.00
82	Bathinda	Talwandi Sabo	S-NPP	29.95812	75.00586	14:00:05	D	5.50
83	Faridkot	Faridkot	AQUA	30.70000	74.50900	14:14:59	D	6.50
84	Faridkot	Faridkot	AQUA	30.70600	74.86600	14:14:59	D	7.80
85	Faridkot	Faridkot	AQUA	30.74600	74.79900	14:14:59	D	7.00
86	Faridkot	Faridkot	AQUA	30.82100	74.61800	14:14:59	D	32.30
87	Faridkot	Faridkot	S-NPP	30.63132	74.67976	14:00:05	D	31.50
88	Faridkot	Faridkot	S-NPP	30.63178	74.68468	14:00:05	D	31.50
89	Faridkot	Faridkot	S-NPP	30.63181	74.68262	14:00:05	D	44.40
90	Faridkot	Faridkot	S-NPP	30.74415	74.65042	14:00:05	D	4.10
91	Faridkot	Faridkot	S-NPP	30.74771	74.64645	14:00:05	D	6.00
92	Faridkot	Faridkot	S-NPP	30.75227	74.60129	14:00:05	D	6.80
93	Faridkot	Faridkot	S-NPP	30.75339	74.80143	14:00:05	D	3.20
94	Faridkot	Faridkot	S-NPP	30.76339	74.76470	14:00:05	D	5.10
95	Faridkot	Jaiton	AQUA	30.43200	74.79800	14:14:59	D	14.00

96	Faridkot	Jaiton	AQUA	30.47900	75.02100	14:14:59	D	6.30
97	Faridkot	Jaiton	AQUA	30.48000	74.87500	14:14:59	D	14.50
98	Faridkot	Jaiton	S-NPP	30.38945	75.02151	14:00:05	D	2.80
99	Faridkot	Jaiton	S-NPP	30.39042	75.03170	14:00:05	D	6.70
100	Faridkot	Jaiton	S-NPP	30.40085	75.04591	14:00:05	D	4.60
101	Faridkot	Jaiton	S-NPP	30.40539	74.99892	14:00:05	D	6.70
102	Faridkot	Jaiton	S-NPP	30.40592	74.95783	14:00:05	D	9.20
103	Faridkot	Jaiton	S-NPP	30.42167	74.79906	14:00:05	D	19.80
104	Faridkot	Jaiton	S-NPP	30.43223	74.87163	14:00:05	D	2.20
105	Faridkot	Jaiton	S-NPP	30.43501	74.80574	14:00:05	D	10.20
106	Faridkot	Jaiton	S-NPP	30.43592	74.80728	14:00:05	D	10.30
107	Faridkot	Jaiton	S-NPP	30.44843	74.75904	14:00:05	D	3.40
108	Faridkot	Jaiton	S-NPP	30.45376	74.90953	14:00:05	D	10.30
109	Faridkot	Jaiton	S-NPP	30.45964	75.04379	14:00:05	D	9.90
110	Faridkot	Jaiton	S-NPP	30.46164	75.04210	14:00:05	D	13.30
111	Faridkot	Jaiton	S-NPP	30.46929	74.83661	14:00:05	D	7.50
112	Faridkot	Jaiton	S-NPP	30.47085	74.80621	14:00:05	D	2.90
113	Faridkot	Jaiton	S-NPP	30.50327	74.81719	14:00:05	D	5.80
114	Faridkot	Jaiton	S-NPP	30.53688	74.97589	14:00:05	D	3.30
115	Faridkot	Jaiton	S-NPP	30.54777	74.94885	14:00:05	D	9.20
116	Faridkot	Jaiton	S-NPP	30.55013	74.95050	14:00:05	D	14.10
117	Faridkot	Jaiton	S-NPP	30.55223	74.94829	14:00:05	D	9.20
118	Faridkot	Kot Kapura	AQUA	30.53500	74.88300	14:14:59	D	4.30
119	Faridkot	Kot Kapura	AQUA	30.57800	74.89400	14:14:59	D	12.20
120	Faridkot	Kot Kapura	AQUA	30.59900	74.74600	14:14:59	D	4.70
121	Faridkot	Kot Kapura	S-NPP	30.53730	74.88884	14:00:05	D	4.10
122	Faridkot	Kot Kapura	S-NPP	30.54612	74.84209	14:00:05	D	6.70
123	Faridkot	Kot Kapura	S-NPP	30.54915	74.84348	14:00:05	D	10.20
124	Faridkot	Kot Kapura	S-NPP	30.55992	74.72156	14:00:05	D	4.10
125	Faridkot	Kot Kapura	S-NPP	30.56182	74.88252	14:00:05	D	2.40
126	Faridkot	Kot Kapura	S-NPP	30.60589	74.78081	14:00:05	D	5.60
127	Faridkot	Kot Kapura	S-NPP	30.64192	74.91845	14:00:05	D	4.90
128	Fatehgarh Sahib	Amloh	S-NPP	30.59330	76.26091	14:00:05	D	5.90

129	Fatehgarh Sahib	Amloh	S-NPP	30.66686	76.19414	02:50:48	N	2.10
130	Fatehgarh Sahib	Amloh	S-NPP	30.66824	76.18814	02:50:48	N	2.80
131	Fatehgarh Sahib	Sirhind	S-NPP	30.61566	76.35128	14:00:05	D	3.70
132	Fazilka	Abohar	AQUA	29.97300	74.37700	14:14:59	D	4.70
133	Fazilka	Abohar	AQUA	30.12100	74.36700	14:14:59	D	5.10
134	Fazilka	Abohar	AQUA	30.14000	74.32400	14:14:59	D	15.70
135	Fazilka	Abohar	AQUA	30.14200	74.33500	14:14:59	D	8.90
136	Fazilka	Abohar	S-NPP	30.09002	74.31858	14:00:05	D	5.70
137	Fazilka	Abohar	S-NPP	30.12081	74.36575	14:00:05	D	5.00
138	Fazilka	Abohar	S-NPP	30.12462	74.36058	14:00:05	D	5.00
139	Fazilka	Abohar	S-NPP	30.12509	74.36518	14:00:05	D	5.00
140	Fazilka	Abohar	S-NPP	30.13891	74.33069	14:00:05	D	13.90
141	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.34400	74.11800	14:14:59	D	8.10
142	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.35200	74.10500	14:14:59	D	21.90
143	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.35400	74.11600	14:14:59	D	33.00
144	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.38700	74.22400	14:14:59	D	5.00
145	Fazilka	Arniwala Sheikh Subanpur	AQUA	30.43600	74.18600	14:14:59	D	7.00
146	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.32917	74.10945	14:00:05	D	13.30
147	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.33237	74.26553	14:00:05	D	5.00
148	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.35128	74.11563	14:00:05	D	6.00
149	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.35223	74.12465	14:00:05	D	7.90
150	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.36590	74.13197	14:00:05	D	3.00
151	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.40890	74.30947	14:00:05	D	5.90
152	Fazilka	Arniwala Sheikh Subanpur	S-NPP	30.43571	74.18948	14:00:05	D	3.90
153	Fazilka	Fazilka	AQUA	30.37100	74.10200	14:14:59	D	19.60
154	Fazilka	Fazilka	AQUA	30.38100	74.11100	14:14:59	D	38.70
155	Fazilka	Fazilka	AQUA	30.38500	73.93600	14:14:59	D	14.50
156	Fazilka	Fazilka	AQUA	30.40000	74.12400	14:14:59	D	5.90
157	Fazilka	Fazilka	AQUA	30.40200	74.13500	14:14:59	D	6.80
158	Fazilka	Fazilka	AQUA	30.40300	74.00000	14:14:59	D	29.00
159	Fazilka	Fazilka	AQUA	30.40400	74.01100	14:14:59	D	14.10
160	Fazilka	Fazilka	AQUA	30.43000	73.99500	14:14:59	D	6.90
161	Fazilka	Fazilka	AQUA	30.44000	74.07200	14:14:59	D	35.70

162	Fazilka	Fazilka	AQUA	30.44100	73.93700	14:14:59	D	4.30
163	Fazilka	Fazilka	AQUA	30.44100	74.15100	14:14:59	D	9.80
164	Fazilka	Fazilka	AQUA	30.44200	74.08300	14:14:59	D	27.40
165	Fazilka	Fazilka	AQUA	30.44300	73.94800	14:14:59	D	13.30
166	Fazilka	Fazilka	AQUA	30.45100	74.14900	14:14:59	D	7.70
167	Fazilka	Fazilka	AQUA	30.46300	73.97200	14:14:59	D	8.70
168	Fazilka	Fazilka	AQUA	30.46800	74.01600	14:14:59	D	9.00
169	Fazilka	Fazilka	S-NPP	30.32168	74.07864	14:00:05	D	7.00
170	Fazilka	Fazilka	S-NPP	30.35844	73.93645	14:00:05	D	2.40
171	Fazilka	Fazilka	S-NPP	30.36061	74.08490	14:00:05	D	5.00
172	Fazilka	Fazilka	S-NPP	30.36112	74.08701	14:00:05	D	5.10
173	Fazilka	Fazilka	S-NPP	30.37268	74.11978	14:00:05	D	2.80
174	Fazilka	Fazilka	S-NPP	30.38070	74.11413	14:00:05	D	2.10
175	Fazilka	Fazilka	S-NPP	30.38403	73.93742	14:00:05	D	17.50
176	Fazilka	Fazilka	S-NPP	30.38822	73.93684	14:00:05	D	17.50
177	Fazilka	Fazilka	S-NPP	30.40442	74.01101	14:00:05	D	1.50
178	Fazilka	Fazilka	S-NPP	30.41192	74.00097	14:00:05	D	6.20
179	Fazilka	Fazilka	S-NPP	30.41789	74.09998	14:00:05	D	8.90
180	Fazilka	Fazilka	S-NPP	30.41794	74.05899	14:00:05	D	3.60
181	Fazilka	Fazilka	S-NPP	30.42212	74.09941	14:00:05	D	8.90
182	Fazilka	Fazilka	S-NPP	30.42642	73.97649	14:00:05	D	5.60
183	Fazilka	Fazilka	S-NPP	30.42922	74.00314	14:00:05	D	10.90
184	Fazilka	Fazilka	S-NPP	30.43156	74.02543	14:00:05	D	6.60
185	Fazilka	Fazilka	S-NPP	30.43623	73.98866	14:00:05	D	4.10
186	Fazilka	Fazilka	S-NPP	30.44141	74.07858	14:00:05	D	14.20
187	Fazilka	Fazilka	S-NPP	30.45115	73.96938	14:00:05	D	3.60
188	Fazilka	Fazilka	S-NPP	30.45116	73.96866	14:00:05	D	3.80
189	Fazilka	Fazilka	S-NPP	30.45624	73.97769	14:00:05	D	4.40
190	Fazilka	Fazilka	S-NPP	30.45631	73.97697	14:00:05	D	4.70
191	Fazilka	Fazilka	S-NPP	30.45679	73.98141	14:00:05	D	6.20
192	Fazilka	Fazilka	S-NPP	30.46051	74.06320	14:00:05	D	1.90
193	Fazilka	Fazilka	S-NPP	30.46185	74.07670	14:00:05	D	4.60
194	Fazilka	Fazilka	S-NPP	30.46255	74.07574	14:00:05	D	3.50

195	Fazilka	Fazilka	S-NPP	30.46433	74.01197	14:00:05	D	3.30
196	Fazilka	Fazilka	S-NPP	30.48133	74.14287	14:00:05	D	6.50
197	Fazilka	Fazilka	S-NPP	30.48874	74.04572	14:00:05	D	3.80
198	Fazilka	Fazilka	S-NPP	30.48906	74.09131	14:00:05	D	2.70
199	Fazilka	Fazilka	S-NPP	30.49297	74.04516	14:00:05	D	13.10
200	Fazilka	Guruhar Sahai	AQUA	30.55400	74.31900	14:14:59	D	19.80
201	Fazilka	Guruhar Sahai	AQUA	30.58800	74.29000	14:14:59	D	32.70
202	Fazilka	Guruhar Sahai	AQUA	30.59000	74.30200	14:14:59	D	10.50
203	Fazilka	Guruhar Sahai	AQUA	30.59100	74.31300	14:14:59	D	11.60
204	Fazilka	Guruhar Sahai	AQUA	30.59600	74.34700	14:14:59	D	25.40
205	Fazilka	Guruhar Sahai	AQUA	30.60400	74.28100	14:14:59	D	9.90
206	Fazilka	Guruhar Sahai	AQUA	30.62200	74.34700	14:14:59	D	14.80
207	Fazilka	Guruhar Sahai	AQUA	30.63600	74.31000	14:14:59	D	6.00
208	Fazilka	Guruhar Sahai	AQUA	30.64600	74.23900	14:14:59	D	5.70
209	Fazilka	Guruhar Sahai	AQUA	30.64800	74.25100	14:14:59	D	17.60
210	Fazilka	Guruhar Sahai	S-NPP	30.55539	74.31960	14:00:05	D	13.20
211	Fazilka	Guruhar Sahai	S-NPP	30.56013	74.36637	14:00:05	D	2.80
212	Fazilka	Guruhar Sahai	S-NPP	30.57115	74.34594	14:00:05	D	8.60
213	Fazilka	Guruhar Sahai	S-NPP	30.58880	74.30576	14:00:05	D	4.00
214	Fazilka	Guruhar Sahai	S-NPP	30.59892	74.36131	14:00:05	D	3.60
215	Fazilka	Guruhar Sahai	S-NPP	30.60096	74.36265	14:00:05	D	3.30
216	Fazilka	Guruhar Sahai	S-NPP	30.60177	74.34667	14:00:05	D	13.70
217	Fazilka	Guruhar Sahai	S-NPP	30.60272	74.29131	14:00:05	D	3.30
218	Fazilka	Guruhar Sahai	S-NPP	30.60344	74.34330	14:00:05	D	15.50
219	Fazilka	Guruhar Sahai	S-NPP	30.60390	74.34799	14:00:05	D	15.50
220	Fazilka	Guruhar Sahai	S-NPP	30.60656	74.35080	14:00:05	D	7.50
221	Fazilka	Guruhar Sahai	S-NPP	30.61406	74.31817	14:00:05	D	15.70
222	Fazilka	Guruhar Sahai	S-NPP	30.62590	74.34985	14:00:05	D	10.00
223	Fazilka	Guruhar Sahai	S-NPP	30.62637	74.35454	14:00:05	D	10.00
224	Fazilka	Guruhar Sahai	S-NPP	30.62789	74.32582	14:00:05	D	2.30
225	Fazilka	Guruhar Sahai	S-NPP	30.63126	74.31590	14:00:05	D	3.90
226	Fazilka	Guruhar Sahai	S-NPP	30.63519	74.26815	14:00:05	D	12.30
227	Fazilka	Guruhar Sahai	S-NPP	30.65809	74.23692	14:00:05	D	9.80

228	Fazilka	Jalalabad	AQUA	30.45900	74.28400	14:14:59	D	8.70
229	Fazilka	Jalalabad	AQUA	30.48200	74.31500	14:14:59	D	4.90
230	Fazilka	Jalalabad	AQUA	30.48300	74.32600	14:14:59	D	5.30
231	Fazilka	Jalalabad	AQUA	30.48500	74.14800	14:14:59	D	10.70
232	Fazilka	Jalalabad	AQUA	30.48700	74.16000	14:14:59	D	8.20
233	Fazilka	Jalalabad	AQUA	30.51000	74.26900	14:14:59	D	8.00
234	Fazilka	Jalalabad	AQUA	30.51100	74.20100	14:14:59	D	22.70
235	Fazilka	Jalalabad	AQUA	30.51900	74.18800	14:14:59	D	34.20
236	Fazilka	Jalalabad	AQUA	30.52100	74.27900	14:14:59	D	57.10
237	Fazilka	Jalalabad	AQUA	30.53800	74.11700	14:14:59	D	8.30
238	Fazilka	Jalalabad	AQUA	30.55500	74.25000	14:14:59	D	4.20
239	Fazilka	Jalalabad	AQUA	30.57800	74.21200	14:14:59	D	12.50
240	Fazilka	Jalalabad	AQUA	30.58600	74.21500	14:14:59	D	16.10
241	Fazilka	Jalalabad	AQUA	30.59600	74.14500	14:14:59	D	9.90
242	Fazilka	Jalalabad	AQUA	30.61300	74.19900	14:14:59	D	9.60
243	Fazilka	Jalalabad	AQUA	30.62700	74.16300	14:14:59	D	21.40
244	Fazilka	Jalalabad	S-NPP	30.44943	74.23872	14:00:05	D	3.10
245	Fazilka	Jalalabad	S-NPP	30.45369	74.19635	14:00:05	D	2.40
246	Fazilka	Jalalabad	S-NPP	30.45607	74.21923	14:00:05	D	4.60
247	Fazilka	Jalalabad	S-NPP	30.46128	74.22784	14:00:05	D	3.30
248	Fazilka	Jalalabad	S-NPP	30.46890	74.25945	14:00:05	D	3.10
249	Fazilka	Jalalabad	S-NPP	30.48178	74.14742	14:00:05	D	6.50
250	Fazilka	Jalalabad	S-NPP	30.48618	74.32397	14:00:05	D	8.60
251	Fazilka	Jalalabad	S-NPP	30.48850	74.32254	14:00:05	D	7.60
252	Fazilka	Jalalabad	S-NPP	30.48939	74.28952	14:00:05	D	3.40
253	Fazilka	Jalalabad	S-NPP	30.49113	74.28569	14:00:05	D	2.10
254	Fazilka	Jalalabad	S-NPP	30.50336	74.19076	14:00:05	D	3.40
255	Fazilka	Jalalabad	S-NPP	30.50382	74.19534	14:00:05	D	11.20
256	Fazilka	Jalalabad	S-NPP	30.50506	74.25107	14:00:05	D	2.20
257	Fazilka	Jalalabad	S-NPP	30.50866	74.15767	14:00:05	D	9.20
258	Fazilka	Jalalabad	S-NPP	30.51707	74.19823	14:00:05	D	1.50
259	Fazilka	Jalalabad	S-NPP	30.52273	74.21140	14:00:05	D	3.10
260	Fazilka	Jalalabad	S-NPP	30.52847	74.18278	14:00:05	D	1.80

261	Fazilka	Jalalabad	S-NPP	30.54679	74.32073	14:00:05	D	10.20
262	Fazilka	Jalalabad	S-NPP	30.54789	74.12012	14:00:05	D	1.90
263	Fazilka	Jalalabad	S-NPP	30.55024	74.18452	14:00:05	D	5.70
264	Fazilka	Jalalabad	S-NPP	30.55072	74.18909	14:00:05	D	10.70
265	Fazilka	Jalalabad	S-NPP	30.55109	74.32016	14:00:05	D	10.20
266	Fazilka	Jalalabad	S-NPP	30.55733	74.25351	14:00:05	D	4.50
267	Fazilka	Jalalabad	S-NPP	30.55826	74.30507	14:00:05	D	8.10
268	Fazilka	Jalalabad	S-NPP	30.56447	74.28072	14:00:05	D	24.40
269	Fazilka	Jalalabad	S-NPP	30.56493	74.20116	14:00:05	D	5.00
270	Fazilka	Jalalabad	S-NPP	30.57063	74.21436	14:00:05	D	7.40
271	Fazilka	Jalalabad	S-NPP	30.57490	74.21381	14:00:05	D	7.40
272	Fazilka	Jalalabad	S-NPP	30.57560	74.10395	14:00:05	D	6.50
273	Fazilka	Jalalabad	S-NPP	30.59069	74.21313	14:00:05	D	20.60
274	Fazilka	Jalalabad	S-NPP	30.59198	74.21154	14:00:05	D	10.30
275	Fazilka	Jalalabad	S-NPP	30.59286	74.14776	14:00:05	D	9.50
276	Fazilka	Jalalabad	S-NPP	30.59360	74.19873	14:00:05	D	13.40
277	Fazilka	Jalalabad	S-NPP	30.59712	74.14719	14:00:05	D	9.50
278	Fazilka	Jalalabad	S-NPP	30.59758	74.15177	14:00:05	D	9.50
279	Fazilka	Jalalabad	S-NPP	30.61000	74.10392	14:00:05	D	4.80
280	Fazilka	Jalalabad	S-NPP	30.61541	74.20049	14:00:05	D	35.20
281	Fazilka	Jalalabad	S-NPP	30.62487	74.20856	14:00:05	D	7.90
282	Fazilka	Jalalabad	S-NPP	30.62626	74.22240	14:00:05	D	36.60
283	Fazilka	Jalalabad	S-NPP	30.63675	74.19764	14:00:05	D	10.20
284	Fazilka	Jalalabad	S-NPP	30.63776	74.16493	14:00:05	D	2.80
285	Fazilka	Khuian Sarwar	AQUA	30.19500	74.02700	14:14:59	D	6.90
286	Fazilka	Khuian Sarwar	AQUA	30.22300	74.03300	14:14:59	D	5.00
287	Fazilka	Khuian Sarwar	AQUA	30.30900	73.99000	14:14:59	D	23.20
288	Fazilka	Khuian Sarwar	AQUA	30.31500	74.03300	14:14:59	D	5.40
289	Fazilka	Khuian Sarwar	AQUA	30.32000	73.99900	14:14:59	D	6.20
290	Fazilka	Khuian Sarwar	AQUA	30.34100	74.01700	14:14:59	D	9.10
291	Fazilka	Khuian Sarwar	AQUA	30.34200	74.02800	14:14:59	D	13.10
292	Fazilka	Khuian Sarwar	S-NPP	30.20729	74.04369	14:00:05	D	1.80
293	Fazilka	Khuian Sarwar	S-NPP	30.23581	74.03088	14:00:05	D	6.00

294	Fazilka	Khuian Sarwar	S-NPP	30.23628	74.03530	14:00:05	D	8.50
295	Fazilka	Khuian Sarwar	S-NPP	30.29373	73.97433	14:00:05	D	13.50
296	Fazilka	Khuian Sarwar	S-NPP	30.31237	73.98971	14:00:05	D	11.00
297	Fazilka	Khuian Sarwar	S-NPP	30.32871	74.10498	14:00:05	D	13.30
298	Fazilka	Khuian Sarwar	S-NPP	30.34276	74.03509	14:00:05	D	3.40
299	Fazilka	Khuian Sarwar	S-NPP	30.34697	74.03452	14:00:05	D	2.90
300	Firozpur	Firozpur	AQUA	30.81900	74.60600	14:14:59	D	30.40
301	Firozpur	Firozpur	AQUA	30.91000	74.52500	14:14:59	D	17.10
302	Firozpur	Firozpur	AQUA	30.91100	74.53700	14:14:59	D	10.50
303	Firozpur	Firozpur	AQUA	31.02100	74.67900	14:14:59	D	16.50
304	Firozpur	Firozpur	AQUA	31.04700	74.73500	14:14:59	D	5.70
305	Firozpur	Firozpur	AQUA	31.05800	74.74600	14:14:59	D	8.30
306	Firozpur	Firozpur	S-NPP	30.90623	74.54034	14:00:05	D	20.10
307	Firozpur	Firozpur	S-NPP	31.00583	74.60835	14:00:05	D	7.90
308	Firozpur	Firozpur	S-NPP	31.02583	74.67602	14:00:05	D	6.30
309	Firozpur	Ghall Khurd	AQUA	30.84800	74.84200	14:14:59	D	14.10
310	Firozpur	Ghall Khurd	AQUA	30.85400	74.93300	14:14:59	D	13.80
311	Firozpur	Ghall Khurd	AQUA	30.85600	74.94600	14:14:59	D	15.10
312	Firozpur	Ghall Khurd	AQUA	30.86000	74.93800	14:14:59	D	20.80
313	Firozpur	Ghall Khurd	AQUA	30.90000	74.87000	14:14:59	D	6.20
314	Firozpur	Ghall Khurd	AQUA	30.91700	74.77000	14:14:59	D	40.00
315	Firozpur	Ghall Khurd	AQUA	30.91800	74.78200	14:14:59	D	23.60
316	Firozpur	Ghall Khurd	AQUA	31.01800	74.77100	14:14:59	D	8.50
317	Firozpur	Ghall Khurd	AQUA	31.02300	74.77600	14:14:59	D	6.50
318	Firozpur	Ghall Khurd	S-NPP	30.81935	74.87988	14:00:05	D	2.30
319	Firozpur	Ghall Khurd	S-NPP	30.85251	74.72162	14:00:05	D	1.90
320	Firozpur	Ghall Khurd	S-NPP	30.85391	74.73658	14:00:05	D	15.60
321	Firozpur	Ghall Khurd	S-NPP	30.85486	74.73801	14:00:05	D	13.80
322	Firozpur	Ghall Khurd	S-NPP	30.91719	74.83534	14:00:05	D	4.10
323	Firozpur	Ghall Khurd	S-NPP	30.97012	74.74889	14:00:05	D	3.00
324	Firozpur	Ghall Khurd	S-NPP	30.97596	74.76340	14:00:05	D	2.60
325	Firozpur	Guruhar Sahai	AQUA	30.63600	74.46100	14:14:59	D	13.80
326	Firozpur	Guruhar Sahai	AQUA	30.65600	74.38800	14:14:59	D	16.60

327	Firozpur	Guruhar Sahai	AQUA	30.69600	74.40400	14:14:59	D	10.10
328	Firozpur	Guruhar Sahai	AQUA	30.70300	74.26900	14:14:59	D	14.50
329	Firozpur	Guruhar Sahai	AQUA	30.70700	74.37300	14:14:59	D	34.10
330	Firozpur	Guruhar Sahai	AQUA	30.74300	74.28600	14:14:59	D	13.90
331	Firozpur	Guruhar Sahai	AQUA	30.77000	74.27000	14:14:59	D	5.70
332	Firozpur	Guruhar Sahai	AQUA	30.77100	74.35000	14:14:59	D	20.30
333	Firozpur	Guruhar Sahai	S-NPP	30.63086	74.44493	14:00:05	D	14.00
334	Firozpur	Guruhar Sahai	S-NPP	30.63132	74.44969	14:00:05	D	14.00
335	Firozpur	Guruhar Sahai	S-NPP	30.65686	74.44154	14:00:05	D	2.40
336	Firozpur	Guruhar Sahai	S-NPP	30.70256	74.37317	14:00:05	D	3.30
337	Firozpur	Guruhar Sahai	S-NPP	30.70261	74.41633	14:00:05	D	2.20
338	Firozpur	Guruhar Sahai	S-NPP	30.70399	74.37415	14:00:05	D	5.10
339	Firozpur	Guruhar Sahai	S-NPP	30.72237	74.33829	14:00:05	D	6.10
340	Firozpur	Guruhar Sahai	S-NPP	30.72283	74.34299	14:00:05	D	6.10
341	Firozpur	Guruhar Sahai	S-NPP	30.72483	74.31891	14:00:05	D	17.20
342	Firozpur	Guruhar Sahai	S-NPP	30.76969	74.41841	14:00:05	D	13.20
343	Firozpur	Guruhar Sahai	S-NPP	30.77017	74.42317	14:00:05	D	13.20
344	Firozpur	Guruhar Sahai	S-NPP	30.77312	74.36507	14:00:05	D	7.40
345	Firozpur	Makhu	AQUA	31.02200	74.80700	14:14:59	D	6.70
346	Firozpur	Makhu	AQUA	31.02800	74.81200	14:14:59	D	6.20
347	Firozpur	Makhu	AQUA	31.05200	75.05000	14:14:59	D	11.50
348	Firozpur	Makhu	AQUA	31.05500	75.04300	14:14:59	D	8.30
349	Firozpur	Makhu	AQUA	31.05600	75.07400	14:14:59	D	18.30
350	Firozpur	Makhu	AQUA	31.07100	74.92800	14:14:59	D	94.30
351	Firozpur	Makhu	AQUA	31.07300	74.86600	14:14:59	D	11.70
352	Firozpur	Makhu	S-NPP	31.04839	74.95562	14:00:05	D	4.20
353	Firozpur	Makhu	S-NPP	31.05391	74.87166	14:00:05	D	3.60
354	Firozpur	Makhu	S-NPP	31.05931	75.07030	14:00:05	D	6.10
355	Firozpur	Makhu	S-NPP	31.06683	75.10134	14:00:05	D	5.20
356	Firozpur	Makhu	S-NPP	31.06903	74.86196	14:00:05	D	6.20
357	Firozpur	Makhu	S-NPP	31.07080	74.85925	14:00:05	D	5.40
358	Firozpur	Makhu	S-NPP	31.07087	75.09551	14:00:05	D	5.20
359	Firozpur	Makhu	S-NPP	31.07641	75.10553	14:00:05	D	10.70

360	Firozpur	Makhu	S-NPP	31.07797	74.86082	14:00:05	D	8.60
361	Firozpur	Makhu	S-NPP	31.10252	75.04379	14:00:05	D	7.90
362	Firozpur	Makhu	S-NPP	31.10303	75.04903	14:00:05	D	7.80
363	Firozpur	Makhu	S-NPP	31.10403	75.04631	14:00:05	D	26.80
364	Firozpur	Mamdot	AQUA	30.80500	74.33800	14:14:59	D	8.40
365	Firozpur	Mamdot	AQUA	30.90000	74.52700	14:14:59	D	12.60
366	Firozpur	Mamdot	AQUA	30.90300	74.46800	14:14:59	D	5.40
367	Firozpur	Mamdot	AQUA	30.91800	74.44100	14:14:59	D	6.40
368	Firozpur	Mamdot	AQUA	30.92000	74.45300	14:14:59	D	6.00
369	Firozpur	Mamdot	S-NPP	30.77601	74.35034	14:00:05	D	3.30
370	Firozpur	Mamdot	S-NPP	30.80737	74.33957	14:00:05	D	3.50
371	Firozpur	Mamdot	S-NPP	30.81351	74.35792	14:00:05	D	7.90
372	Firozpur	Mamdot	S-NPP	30.81585	74.35472	14:00:05	D	5.70
373	Firozpur	Mamdot	S-NPP	30.81634	74.35945	14:00:05	D	5.70
374	Firozpur	Mamdot	S-NPP	30.86014	74.52170	14:00:05	D	4.80
375	Firozpur	Mamdot	S-NPP	30.86557	74.48669	14:00:05	D	2.70
376	Firozpur	Mamdot	S-NPP	30.90769	74.51065	14:00:05	D	2.60
377	Firozpur	Mamdot	S-NPP	30.92267	74.44032	14:00:05	D	5.00
378	Firozpur	Mamdot	S-NPP	30.92332	74.44156	14:00:05	D	3.40
379	Firozpur	Mamdot	S-NPP	30.93186	74.44399	14:00:05	D	7.60
380	Firozpur	Mamdot	S-NPP	30.93248	74.44524	14:00:05	D	10.20
381	Firozpur	Zira	AQUA	30.97900	75.01200	14:14:59	D	23.90
382	Firozpur	Zira	AQUA	30.98100	75.02400	14:14:59	D	53.20
383	Firozpur	Zira	AQUA	30.98200	75.03600	14:14:59	D	10.20
384	Firozpur	Zira	AQUA	31.02100	75.03000	14:14:59	D	6.20
385	Firozpur	Zira	AQUA	31.02700	75.07900	14:14:59	D	9.30
386	Firozpur	Zira	AQUA	31.02800	75.09100	14:14:59	D	16.70
387	Firozpur	Zira	AQUA	31.03200	74.96600	14:14:59	D	12.60
388	Firozpur	Zira	AQUA	31.03500	74.99000	14:14:59	D	6.40
389	Firozpur	Zira	S-NPP	30.91371	74.84605	14:00:05	D	3.80
390	Firozpur	Zira	S-NPP	30.97765	75.02740	14:00:05	D	10.30
391	Firozpur	Zira	S-NPP	30.98137	75.03008	14:00:05	D	25.40
392	Firozpur	Zira	S-NPP	30.98216	75.02684	14:00:05	D	10.30

393	Firozpur	Zira	S-NPP	30.98264	75.03206	14:00:05	D	15.30
394	Firozpur	Zira	S-NPP	30.98695	75.08759	14:00:05	D	3.00
395	Firozpur	Zira	S-NPP	30.98785	75.08971	14:00:05	D	6.90
396	Firozpur	Zira	S-NPP	31.03313	75.08414	14:00:05	D	19.80
397	Gurdaspur	Dera Baba Nanak	AQUA	31.96500	75.09300	14:14:59	D	5.80
398	Gurdaspur	Dera Baba Nanak	AQUA	32.04800	74.92400	14:14:59	D	6.30
399	Gurdaspur	Dera Baba Nanak	S-NPP	32.05279	74.92297	14:00:05	D	2.70
400	Gurdaspur	Kahnuwan	S-NPP	31.79663	75.46843	14:00:05	D	1.90
401	Gurdaspur	Kalanaur	S-NPP	32.03188	75.14797	14:00:05	D	2.70
402	Jalandhar	Bhogpur	S-NPP	31.47770	75.68983	14:00:05	D	3.20
403	Jalandhar	Lohian	AQUA	31.10500	75.21200	14:14:59	D	6.60
404	Jalandhar	Lohian	S-NPP	31.07080	75.19222	14:00:05	D	3.10
405	Jalandhar	Nakodar	S-NPP	31.09235	75.52696	14:00:05	D	6.20
406	Jalandhar	Nur Mahal	AQUA	31.05100	75.62000	14:14:59	D	7.10
407	Jalandhar	Nur Mahal	S-NPP	31.05110	75.61430	14:00:05	D	5.20
408	Jalandhar	Nur Mahal	S-NPP	31.05318	75.61697	14:00:05	D	4.00
409	Jalandhar	Nur Mahal	S-NPP	31.08060	75.65972	14:00:05	D	13.00
410	Jalandhar	Phillaur	AQUA	31.07400	75.82000	14:14:59	D	12.80
411	Jalandhar	Shahkot	S-NPP	31.00898	75.31702	14:00:05	D	2.30
412	Kapurthala	Dhilwan	AQUA	31.36600	75.26700	14:14:59	D	10.80
413	Kapurthala	Kapurthala	AQUA	31.43200	75.40100	14:14:59	D	5.60
414	Kapurthala	Kapurthala	AQUA	31.43300	75.41400	14:14:59	D	15.70
415	Kapurthala	Kapurthala	S-NPP	31.31125	75.29463	14:00:05	D	9.80
416	Kapurthala	Kapurthala	S-NPP	31.37185	75.30299	14:00:05	D	6.60
417	Kapurthala	Kapurthala	S-NPP	31.42972	75.42490	14:00:05	D	2.80
418	Kapurthala	Phagwara	AQUA	31.17300	75.70200	14:14:59	D	16.60
419	Kapurthala	Phagwara	S-NPP	31.19987	75.75428	14:00:05	D	4.40
420	Kapurthala	Phagwara	S-NPP	31.36224	75.79166	14:00:05	D	5.00
421	Kapurthala	Sultanpur Lodhi	AQUA	31.15300	75.09700	14:14:59	D	6.30
422	Kapurthala	Sultanpur Lodhi	S-NPP	31.23397	75.21056	14:00:05	D	3.50
423	Ludhiana	Doraha	S-NPP	30.71440	75.99087	14:00:05	D	7.90
424	Ludhiana	Doraha	S-NPP	30.72131	75.96040	14:00:05	D	7.20
425	Ludhiana	Khanna	S-NPP	30.69132	76.13137	02:50:48	N	0.50

426	Ludhiana	Maloud	AQUA	30.68300	75.85700	14:14:59	D	6.90
427	Ludhiana	Maloud	S-NPP	30.67878	75.85940	14:00:05	D	4.70
428	Ludhiana	Maloud	S-NPP	30.68351	75.85885	14:00:05	D	8.50
429	Ludhiana	Pakhawal	S-NPP	30.69777	75.80491	14:00:05	D	14.90
430	Ludhiana	Pakhawal	S-NPP	30.81581	75.82986	14:00:05	D	4.70
431	Ludhiana	Raikot	S-NPP	30.61923	75.72201	14:00:05	D	3.80
432	Ludhiana	Sidhwan Bet	AQUA	30.98100	75.37300	14:14:59	D	7.20
433	Ludhiana	Sidhwan Bet	S-NPP	30.82632	75.45016	14:00:05	D	8.30
434	Malerkotla	Amargarh	S-NPP	30.47775	76.03870	14:00:05	D	4.30
435	Malerkotla	Malerkotla	S-NPP	30.57875	75.97921	14:00:05	D	10.10
436	Malerkotla	Malerkotla	S-NPP	30.57926	75.98508	14:00:05	D	10.10
437	Mansa	Budhlada	AQUA	29.90700	75.50500	14:14:59	D	39.30
438	Mansa	Budhlada	AQUA	29.90900	75.51800	14:14:59	D	5.70
439	Mansa	Jhunir	S-NPP	29.75279	75.37513	14:00:05	D	3.70
440	Mansa	Jhunir	S-NPP	29.75343	75.37715	14:00:05	D	5.40
441	Mansa	Sardulgarh	S-NPP	29.70943	75.35407	14:00:05	D	12.60
442	Moga	Bagha Purana	AQUA	30.51400	75.03300	14:14:59	D	14.50
443	Moga	Bagha Purana	AQUA	30.59300	75.01400	14:14:59	D	11.30
444	Moga	Bagha Purana	AQUA	30.62200	75.09600	14:14:59	D	8.60
445	Moga	Bagha Purana	AQUA	30.66600	75.21300	14:14:59	D	4.90
446	Moga	Bagha Purana	AQUA	30.71500	74.93800	14:14:59	D	22.80
447	Moga	Bagha Purana	AQUA	30.77500	74.92200	14:14:59	D	11.80
448	Moga	Bagha Purana	S-NPP	30.52890	75.08057	14:00:05	D	6.30
449	Moga	Bagha Purana	S-NPP	30.61658	74.98338	14:00:05	D	4.20
450	Moga	Bagha Purana	S-NPP	30.65298	75.12508	14:00:05	D	8.10
451	Moga	Bagha Purana	S-NPP	30.65536	74.96308	14:00:05	D	7.00
452	Moga	Bagha Purana	S-NPP	30.65795	74.96518	14:00:05	D	8.60
453	Moga	Bagha Purana	S-NPP	30.67455	75.11191	14:00:05	D	4.90
454	Moga	Bagha Purana	S-NPP	30.67570	75.10914	14:00:05	D	5.30
455	Moga	Bagha Purana	S-NPP	30.68033	74.96239	14:00:05	D	6.70
456	Moga	Bagha Purana	S-NPP	30.68928	74.96128	14:00:05	D	5.30
457	Moga	Bagha Purana	S-NPP	30.68976	74.96640	14:00:05	D	3.60
458	Moga	Bagha Purana	S-NPP	30.69955	75.02228	14:00:05	D	12.00

459	Moga	Bagha Purana	S-NPP	30.70022	75.12722	14:00:05	D	9.20
460	Moga	Bagha Purana	S-NPP	30.70163	74.99601	14:00:05	D	3.20
461	Moga	Bagha Purana	S-NPP	30.70211	75.00114	14:00:05	D	3.20
462	Moga	Bagha Purana	S-NPP	30.70727	74.91261	14:00:05	D	3.40
463	Moga	Bagha Purana	S-NPP	30.74998	75.02644	14:00:05	D	3.70
464	Moga	Kot Ise Khan At Dharamkot	AQUA	30.86500	75.25700	14:14:59	D	26.60
465	Moga	Kot Ise Khan At Dharamkot	AQUA	30.90800	75.25600	14:14:59	D	26.20
466	Moga	Kot Ise Khan At Dharamkot	AQUA	30.91100	75.20500	14:14:59	D	8.30
467	Moga	Kot Ise Khan At Dharamkot	AQUA	30.91100	75.28100	14:14:59	D	34.80
468	Moga	Kot Ise Khan At Dharamkot	AQUA	30.91800	75.34500	14:14:59	D	5.50
469	Moga	Kot Ise Khan At Dharamkot	AQUA	30.96000	75.12100	14:14:59	D	9.90
470	Moga	Kot Ise Khan At Dharamkot	AQUA	30.96200	75.13300	14:14:59	D	39.30
471	Moga	Kot Ise Khan At Dharamkot	AQUA	30.97200	75.13200	14:14:59	D	9.90
472	Moga	Kot Ise Khan At Dharamkot	AQUA	30.97800	75.18100	14:14:59	D	14.80
473	Moga	Kot Ise Khan At Dharamkot	AQUA	30.98800	75.26900	14:14:59	D	8.70
474	Moga	Kot Ise Khan At Dharamkot	AQUA	30.99100	75.11000	14:14:59	D	9.00
475	Moga	Kot Ise Khan At Dharamkot	AQUA	30.99100	75.27600	14:14:59	D	6.70
476	Moga	Kot Ise Khan At Dharamkot	AQUA	31.00100	75.10900	14:14:59	D	26.80
477	Moga	Kot Ise Khan At Dharamkot	AQUA	31.00500	75.31200	14:14:59	D	7.70
478	Moga	Kot Ise Khan At Dharamkot	AQUA	31.00900	75.18300	14:14:59	D	12.20
479	Moga	Kot Ise Khan At Dharamkot	AQUA	31.01900	75.18200	14:14:59	D	14.50
480	Moga	Kot Ise Khan At Dharamkot	AQUA	31.05400	75.06200	14:14:59	D	20.00
481	Moga	Kot Ise Khan At Dharamkot	AQUA	31.05800	75.06700	14:14:59	D	25.60
482	Moga	Kot Ise Khan At Dharamkot	AQUA	31.07200	75.10300	14:14:59	D	7.20
483	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.87065	75.27472	14:00:05	D	3.30
484	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.88794	75.35998	14:00:05	D	18.50
485	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89530	75.10013	14:00:05	D	20.20
486	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89644	75.09867	14:00:05	D	13.40
487	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89692	75.10393	14:00:05	D	11.30
488	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.89860	75.27678	14:00:05	D	3.10
489	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.92573	75.21819	14:00:05	D	7.70
490	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.98398	75.15196	14:00:05	D	3.40
491	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.98852	75.15142	14:00:05	D	3.40

492	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.98901	75.15369	14:00:05	D	5.80
493	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.99476	75.11550	14:00:05	D	13.40
494	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.99908	75.11804	14:00:05	D	19.60
495	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.99929	75.11496	14:00:05	D	13.40
496	Moga	Kot Ise Khan At Dharamkot	S-NPP	30.99977	75.12025	14:00:05	D	13.40
497	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.00361	75.11751	14:00:05	D	19.60
498	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.00789	75.31419	14:00:05	D	2.50
499	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01186	75.20239	14:00:05	D	8.40
500	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01200	75.20474	14:00:05	D	13.80
501	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01270	75.16154	14:00:05	D	9.60
502	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01870	75.17696	14:00:05	D	18.50
503	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.01919	75.18228	14:00:05	D	18.50
504	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.03007	75.25137	14:00:05	D	6.00
505	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.03496	75.15344	14:00:05	D	5.70
506	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.03754	75.13168	14:00:05	D	7.80
507	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.04356	75.14704	14:00:05	D	5.70
508	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.07589	75.14848	14:00:05	D	4.00
509	Moga	Kot Ise Khan At Dharamkot	S-NPP	31.07591	75.10025	14:00:05	D	11.70
510	Moga	Moga 1	AQUA	30.70900	75.21200	14:14:59	D	6.10
511	Moga	Moga 1	AQUA	30.86600	75.34700	14:14:59	D	17.90
512	Moga	Moga 1	S-NPP	30.69888	75.21245	14:00:05	D	3.60
513	Moga	Moga 1	S-NPP	30.71252	75.21078	14:00:05	D	3.70
514	Moga	Moga 1	S-NPP	30.72066	75.35027	14:00:05	D	3.10
515	Moga	Moga 1	S-NPP	30.73059	75.25691	14:00:05	D	4.60
516	Moga	Moga 1	S-NPP	30.73466	75.25103	14:00:05	D	9.80
517	Moga	Moga 1	S-NPP	30.73516	75.25636	14:00:05	D	9.90
518	Moga	Moga 1	S-NPP	30.74469	75.30927	14:00:05	D	14.60
519	Moga	Moga 1	S-NPP	30.85426	75.34754	14:00:05	D	14.80
520	Moga	Moga 2	AQUA	30.79500	75.09200	14:14:59	D	8.30
521	Moga	Moga 2	AQUA	30.79700	75.10400	14:14:59	D	6.90
522	Moga	Moga 2	S-NPP	30.77505	75.13609	14:00:05	D	2.70
523	Moga	Moga 2	S-NPP	30.77907	75.09113	14:00:05	D	1.50
524	Moga	Moga 2	S-NPP	30.77981	75.08780	14:00:05	D	6.00

525	Moga	Moga 2	S-NPP	30.78359	75.09058	14:00:05	D	5.80
526	Moga	Moga 2	S-NPP	30.81045	75.07343	14:00:05	D	8.30
527	Moga	Moga 2	S-NPP	30.82116	74.99355	14:00:05	D	3.30
528	Moga	Moga 2	S-NPP	30.82664	75.00331	14:00:05	D	6.60
529	Moga	Moga 2	S-NPP	30.87387	75.00134	14:00:05	D	5.70
530	Moga	Nihal Singh	S-NPP	30.57425	75.31378	14:00:05	D	3.40
531	Moga	Nihal Singh	S-NPP	30.57833	75.31030	14:00:05	D	3.90
532	Moga	Nihal Singh	S-NPP	30.57882	75.31324	14:00:05	D	3.40
533	Moga	Nihal Singh	S-NPP	30.58139	75.33994	14:00:05	D	3.50
534	Moga	Nihal Singh	S-NPP	30.59771	75.36512	14:00:05	D	31.40
535	Moga	Nihal Singh	S-NPP	30.60193	75.36705	14:00:05	D	73.20
536	Moga	Nihal Singh	S-NPP	30.60229	75.36457	14:00:05	D	31.40
537	Moga	Nihal Singh	S-NPP	30.60281	75.36994	14:00:05	D	31.40
538	Moga	Nihal Singh	S-NPP	30.61564	75.21452	14:00:05	D	9.40
539	Moga	Nihal Singh	S-NPP	30.66763	75.37549	14:00:05	D	3.70
540	Muktsar	Kot Bhai At Gidderbaha	AQUA	30.15300	74.61500	14:14:59	D	21.60
541	Muktsar	Kot Bhai At Gidderbaha	AQUA	30.29700	74.68400	14:14:59	D	6.30
542	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.15506	74.61815	14:00:05	D	5.80
543	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.15554	74.62293	14:00:05	D	7.50
544	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.22912	74.60078	14:00:05	D	16.00
545	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.30370	74.63977	14:00:05	D	5.10
546	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.30390	74.64107	14:00:05	D	6.20
547	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.32714	74.65272	14:00:05	D	4.70
548	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.33213	74.61301	14:00:05	D	11.90
549	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.33871	74.68065	14:00:05	D	5.10
550	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.34013	74.69523	14:00:05	D	4.30
551	Muktsar	Kot Bhai At Gidderbaha	S-NPP	30.34700	74.67466	14:00:05	D	1.20
552	Muktsar	Lambi	AQUA	30.02700	74.65500	14:14:59	D	6.00
553	Muktsar	Lambi	AQUA	30.03800	74.44500	14:14:59	D	4.70
554	Muktsar	Lambi	AQUA	30.15400	74.62700	14:14:59	D	7.20
555	Muktsar	Lambi	S-NPP	30.03066	74.65702	14:00:05	D	6.50
556	Muktsar	Lambi	S-NPP	30.06407	74.59479	14:00:05	D	4.30
557	Muktsar	Lambi	S-NPP	30.10475	74.64748	14:00:05	D	4.20

558	Muktsar	Lambi	S-NPP	30.10514	74.64884	14:00:05	D	3.50
559	Muktsar	Lambi	S-NPP	30.12458	74.62209	14:00:05	D	4.00
560	Muktsar	Malout	AQUA	30.16400	74.36500	14:14:59	D	15.30
561	Muktsar	Malout	AQUA	30.16400	74.43400	14:14:59	D	8.90
562	Muktsar	Malout	AQUA	30.17500	74.52500	14:14:59	D	5.10
563	Muktsar	Malout	AQUA	30.27700	74.37400	14:14:59	D	5.20
564	Muktsar	Malout	AQUA	30.30500	74.36900	14:14:59	D	7.20
565	Muktsar	Malout	AQUA	30.31100	74.34500	14:14:59	D	14.20
566	Muktsar	Malout	S-NPP	30.14264	74.49496	14:00:05	D	3.80
567	Muktsar	Malout	S-NPP	30.16278	74.43544	14:00:05	D	8.30
568	Muktsar	Muktsar	AQUA	30.37500	74.50100	14:14:59	D	7.00
569	Muktsar	Muktsar	AQUA	30.37600	74.51300	14:14:59	D	5.10
570	Muktsar	Muktsar	AQUA	30.42200	74.49300	14:14:59	D	6.80
571	Muktsar	Muktsar	AQUA	30.45900	74.58600	14:14:59	D	6.50
572	Muktsar	Muktsar	AQUA	30.46200	74.38700	14:14:59	D	23.70
573	Muktsar	Muktsar	AQUA	30.46400	74.39800	14:14:59	D	13.60
574	Muktsar	Muktsar	AQUA	30.47000	74.44400	14:14:59	D	6.50
575	Muktsar	Muktsar	AQUA	30.47000	74.67800	14:14:59	D	7.80
576	Muktsar	Muktsar	AQUA	30.48200	74.61700	14:14:59	D	6.80
577	Muktsar	Muktsar	AQUA	30.48300	74.62900	14:14:59	D	16.70
578	Muktsar	Muktsar	AQUA	30.50000	74.46200	14:14:59	D	16.30
579	Muktsar	Muktsar	AQUA	30.50200	74.47300	14:14:59	D	7.60
580	Muktsar	Muktsar	AQUA	30.50400	74.63700	14:14:59	D	10.60
581	Muktsar	Muktsar	AQUA	30.57600	74.64200	14:14:59	D	10.20
582	Muktsar	Muktsar	S-NPP	30.37433	74.50591	14:00:05	D	2.30
583	Muktsar	Muktsar	S-NPP	30.37481	74.51066	14:00:05	D	3.70
584	Muktsar	Muktsar	S-NPP	30.38003	74.39065	14:00:05	D	12.10
585	Muktsar	Muktsar	S-NPP	30.38051	74.39533	14:00:05	D	24.00
586	Muktsar	Muktsar	S-NPP	30.42631	74.39689	14:00:05	D	5.50
587	Muktsar	Muktsar	S-NPP	30.43368	74.29681	14:00:05	D	3.80
588	Muktsar	Muktsar	S-NPP	30.43601	74.53947	14:00:05	D	1.70
589	Muktsar	Muktsar	S-NPP	30.46267	74.45414	14:00:05	D	14.30
590	Muktsar	Muktsar	S-NPP	30.49049	74.38378	14:00:05	D	19.10

591	Muktsar	Muktsar	S-NPP	30.49163	74.38010	14:00:05	D	3.20
592	Muktsar	Muktsar	S-NPP	30.49254	74.53216	14:00:05	D	14.60
593	Muktsar	Muktsar	S-NPP	30.49911	74.38267	14:00:05	D	3.30
594	Muktsar	Muktsar	S-NPP	30.50071	74.38367	14:00:05	D	5.20
595	Muktsar	Muktsar	S-NPP	30.50343	74.38210	14:00:05	D	3.30
596	Muktsar	Muktsar	S-NPP	30.50734	74.41968	14:00:05	D	4.60
597	Muktsar	Muktsar	S-NPP	30.50870	74.42076	14:00:05	D	5.80
598	Muktsar	Muktsar	S-NPP	30.55846	74.52506	14:00:05	D	13.20
599	Muktsar	Muktsar	S-NPP	30.55894	74.52986	14:00:05	D	14.80
600	Muktsar	Muktsar	S-NPP	30.58505	74.39648	14:00:05	D	4.60
601	Muktsar	Muktsar	S-NPP	30.58553	74.40120	14:00:05	D	6.10
602	Patiala	Nabha	S-NPP	30.50757	76.30996	12:20:30	D	3.60
603	Patiala	Patran	S-NPP	29.89112	76.15941	14:00:05	D	4.70
604	Patiala	Patran	S-NPP	29.94506	76.00477	14:00:05	D	9.80
605	Patiala	Samana	AQUA	30.07400	76.13200	14:14:59	D	7.10
606	Sangrur	Andana	AQUA	29.79800	75.95700	14:14:59	D	6.50
607	Sangrur	Andana	AQUA	29.82500	75.92700	14:14:59	D	8.10
608	Sangrur	Andana	S-NPP	29.79179	75.90417	14:00:05	D	8.30
609	Sangrur	Andana	S-NPP	29.79469	75.90099	14:00:05	D	8.80
610	Sangrur	Andana	S-NPP	29.84840	76.05873	14:00:05	D	2.40
611	Sangrur	Bhawanigarh	S-NPP	30.30121	76.00448	14:00:05	D	5.10
612	Sangrur	Dirba	AQUA	29.98300	75.97000	14:14:59	D	6.90
613	Sangrur	Lehra Gaga	S-NPP	29.92428	75.93222	14:00:05	D	2.00
614	Sangrur	Lehra Gaga	S-NPP	29.99172	75.89005	14:00:05	D	4.80
615	Sangrur	Lehra Gaga	S-NPP	29.99298	75.88855	14:00:05	D	3.00
616	Sangrur	Sangrur	S-NPP	30.16596	75.58509	14:00:05	D	18.50
617	Sangrur	Sangrur	S-NPP	30.19493	75.69281	14:00:05	D	3.40
618	Sangrur	Sangrur	S-NPP	30.26990	75.76574	14:00:05	D	3.50
619	Sangrur	Sangrur	S-NPP	30.29543	75.94087	14:00:05	D	11.20
620	Sangrur	Sher Pur	AQUA	30.29500	75.67600	14:14:59	D	7.10
621	Sangrur	Sher Pur	S-NPP	30.30812	75.69124	14:00:05	D	6.00
622	Sangrur	Sher Pur	S-NPP	30.31031	75.69321	14:00:05	D	6.40
623	Tarn Taran	Chohla Sahib	S-NPP	31.23062	75.02227	14:00:05	D	2.80

624	Tarn Taran	Gandiwind Tatla	S-NPP	31.43603	74.70469	14:00:05	D	4.10
625	Tarn Taran	Patti	S-NPP	31.17095	74.76863	14:00:05	D	2.50
626	Tarn Taran	Patti	S-NPP	31.17277	74.76649	14:00:05	D	2.10
627	Tarn Taran	Tarn Taran	AQUA	31.38000	74.80800	14:14:59	D	5.10
628	Tarn Taran	Tarn Taran	AQUA	31.49600	74.92000	14:14:59	D	9.20
629	Tarn Taran	Tarn Taran	AQUA	31.49700	74.91400	14:14:59	D	7.70
630	Tarn Taran	Tarn Taran	S-NPP	31.38263	74.80966	14:00:05	D	16.90
631	Tarn Taran	Tarn Taran	S-NPP	31.38497	74.80731	14:00:05	D	12.30
632	Tarn Taran	Tarn Taran	S-NPP	31.43653	74.90242	14:00:05	D	17.10
633	Tarn Taran	Valtoha	AQUA	31.19300	74.70500	14:14:59	D	8.30
634	Tarn Taran	Valtoha	S-NPP	31.18549	74.58916	14:00:05	D	2.60

Details of residue burning events in Haryana on 20-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	BARARA	S-NPP	30.15098	77.06347	14:00:05	D	5.20
2	BHIWANI	BAWANI KHERA	S-NPP	28.85289	76.04800	14:00:05	D	2.20
3	FATEHABAD	BHUNA	S-NPP	29.57431	75.81818	14:00:05	D	2.30
4	FATEHABAD	FATEHABAD	AQUA	29.50500	75.29700	14:14:59	D	10.40
5	FATEHABAD	FATEHABAD	AQUA	29.51300	75.28400	14:14:59	D	20.70
6	FATEHABAD	JAKHAL	AQUA	29.76400	75.75300	14:14:59	D	8.30
7	FATEHABAD	JAKHAL	AQUA	29.76500	75.75800	14:14:59	D	13.90
8	FATEHABAD	JAKHAL	S-NPP	29.76599	75.84776	14:00:05	D	3.20
9	FATEHABAD	JAKHAL	S-NPP	29.77331	75.74886	14:00:05	D	5.60
10	FATEHABAD	JAKHAL	S-NPP	29.77568	75.75151	14:00:05	D	6.30
11	FATEHABAD	RATIA	AQUA	29.73300	75.40200	14:14:59	D	7.20
12	FATEHABAD	RATIA	AQUA	29.73400	75.41400	14:14:59	D	8.30
13	FATEHABAD	RATIA	S-NPP	29.66659	75.38566	14:00:05	D	3.90
14	FATEHABAD	RATIA	S-NPP	29.66926	75.66480	14:00:05	D	5.20
15	FATEHABAD	RATIA	S-NPP	29.66985	75.66160	14:00:05	D	3.00
16	FATEHABAD	RATIA	S-NPP	29.68424	75.62474	14:00:05	D	3.50
17	FATEHABAD	RATIA	S-NPP	29.69021	75.68974	14:00:05	D	9.10
18	FATEHABAD	RATIA	S-NPP	29.74941	75.43381	14:00:05	D	14.60
19	FATEHABAD	RATIA	S-NPP	29.74966	75.43600	14:00:05	D	11.50
20	FATEHABAD	TOHANA	AQUA	29.64100	75.91500	14:14:59	D	7.60
21	FATEHABAD	TOHANA	AQUA	29.66700	75.69600	14:14:59	D	9.70
22	FATEHABAD	TOHANA	AQUA	29.67700	75.69500	14:14:59	D	35.10
23	JIND	UCHANA	S-NPP	29.51122	76.22250	14:00:05	D	5.80
24	JIND	UCHANA	S-NPP	29.51131	76.22038	14:00:05	D	3.00
25	KARNAL	KARNAL	S-NPP	29.73252	77.10156	12:20:30	D	5.40
26	ROHTAK	KALANAUR	AQUA	28.83400	76.49100	14:14:59	D	10.20
27	ROHTAK	MEHAM	AQUA	28.94400	76.39300	14:14:59	D	10.50
28	SIRSA	RANIA	AQUA	29.45300	74.88800	14:14:59	D	7.00
29	SIRSA	RANIA	AQUA	29.48500	74.87700	14:14:59	D	7.40
30	SIRSA	RANIA	AQUA	29.51400	74.80200	14:14:59	D	6.30
31	SIRSA	RANIA	AQUA	29.51500	74.81300	14:14:59	D	8.90

32	SIRSA	RANIA	S-NPP	29.46263	74.87847	14:00:05	D	3.40
33	SIRSA	RANIA	S-NPP	29.51773	74.81062	14:00:05	D	12.40
34	SIRSA	SIRSA	AQUA	29.46400	74.89800	14:14:59	D	30.60
35	SIRSA	SIRSA	S-NPP	29.46642	74.94035	02:50:48	N	1.00
36	SIRSA	SIRSA	S-NPP	29.46772	74.93952	02:50:48	N	0.80
37	YAMUNANAGAR	BILASPUR	S-NPP	30.22195	77.23946	14:00:05	D	5.00
38	YAMUNANAGAR	BILASPUR	S-NPP	30.22451	77.23824	14:00:05	D	7.20

Details of residue burning events in Uttar Pradesh on 20-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ALLAHABAD	HADIYA	S-NPP	25.52048	82.16487	14:00:05	D	2.70
2	AMETHI	GAURIGANJ	S-NPP	26.23469	81.62398	14:00:05	D	4.70
3	AMETHI	GAURIGANJ	S-NPP	26.23609	81.62289	14:00:05	D	4.10
4	AZAMGARH	BURHANPUR	TERRA	26.37700	82.90100	10:19:07	D	4.60
5	AZAMGARH	BURHANPUR	S-NPP	26.37675	82.90710	12:20:30	D	3.30
6	BAGHPAT	BAGHPAT	S-NPP	28.83874	77.25108	14:00:05	D	4.80
7	BAGHPAT	BAGHPAT	S-NPP	28.95251	77.34579	14:00:05	D	2.40
8	BAGHPAT	BARAUT	S-NPP	29.04882	77.41275	14:00:05	D	2.60
9	BAGHPAT	BARAUT	S-NPP	29.04911	77.41615	14:00:05	D	2.60
10	BAGHPAT	BARAUT	S-NPP	29.20773	77.40204	14:00:05	D	1.90
11	BAHRAICH	KAISARGANJ	S-NPP	27.31287	81.52644	12:20:30	D	1.90
12	BALLIA	RASRA	S-NPP	25.94825	83.83631	12:20:30	D	2.00
13	BALLIA	RASRA	S-NPP	25.96448	83.95602	12:20:30	D	3.60
14	BALLIA	SIKANDARPUR	S-NPP	25.95815	83.97697	12:20:30	D	1.80
15	BALRAMPUR	BALRAMPUR	TERRA	27.56100	82.12600	10:19:07	D	4.70
16	BALRAMPUR	BALRAMPUR	S-NPP	27.44650	82.24258	12:20:30	D	1.90
17	BALRAMPUR	TULSIPUR	S-NPP	27.39528	82.53342	12:20:30	D	4.90
18	BANDA	ATARRA	S-NPP	25.22691	80.60329	14:00:05	D	4.90
19	BANDA	ATARRA	S-NPP	25.22978	80.60400	14:00:05	D	4.80
20	BAREILLY	MIRGANJ	S-NPP	28.58317	79.28182	14:00:05	D	2.10
21	BASTI	HARRAIYA	S-NPP	26.87190	82.53882	12:20:30	D	2.60
22	BASTI	RUDHAULI	S-NPP	26.93448	82.85246	12:20:30	D	5.90
23	BASTI	RUDHAULI	S-NPP	26.95014	82.86945	12:20:30	D	3.10
24	BULANSAHAR	BULANSHAHR	S-NPP	28.46481	77.94161	14:00:05	D	1.80
25	BULANSAHAR	SIYANA	S-NPP	28.55501	77.88792	14:00:05	D	2.30
26	BULANSAHAR	SIYANA	S-NPP	28.59029	77.93049	14:00:05	D	3.80
27	BULANSAHAR	SIYANA	S-NPP	28.59033	77.93130	14:00:05	D	4.00
28	BULANSAHAR	SIYANA	S-NPP	28.59057	77.93408	14:00:05	D	4.60
29	DEORIA	DEORIA	S-NPP	26.45308	83.87122	12:20:30	D	2.70
30	DEORIA	DEORIA	S-NPP	26.45494	83.87176	12:20:30	D	2.50

31	DEORIA	DEORIA	S-NPP	26.57499	83.98115	14:00:05	D	4.50
32	DEORIA	DEORIA	S-NPP	26.57570	83.97879	14:00:05	D	3.80
33	DEORIA	RUDRAPUR	S-NPP	26.41341	83.70077	12:20:30	D	1.30
34	ETAWAH	BHARTHNA	S-NPP	26.61842	79.24605	14:00:05	D	3.50
35	FAIZABAD	RUDAULI	S-NPP	26.73832	81.80347	12:20:30	D	3.20
36	FAIZABAD	RUDAULI	S-NPP	26.74192	81.80141	12:20:30	D	3.60
37	GORAKHPUR	CAMPIERGANJ	S-NPP	27.00621	83.25523	12:20:30	D	2.60
38	GORAKHPUR	CAMPIERGANJ	S-NPP	27.07256	83.32117	12:20:30	D	1.80
39	GORAKHPUR	CHAURI CHAURA	S-NPP	26.68764	83.60043	12:20:30	D	2.60
40	GORAKHPUR	CHAURI CHAURA	S-NPP	26.70259	83.59225	12:20:30	D	1.70
41	GORAKHPUR	GORAKHPUR	S-NPP	26.75226	83.55009	12:20:30	D	4.50
42	GORAKHPUR	GORAKHPUR	S-NPP	26.75753	83.54861	12:20:30	D	2.60
43	GORAKHPUR	GORAKHPUR	S-NPP	26.76133	83.49203	12:20:30	D	3.10
44	GORAKHPUR	GORAKHPUR	S-NPP	26.85223	83.43758	12:20:30	D	2.70
45	GORAKHPUR	KHAJNI	S-NPP	26.57155	83.27056	12:20:30	D	2.30
46	GORAKHPUR	KHAJNI	S-NPP	26.62808	83.16672	14:00:05	D	3.80
47	HARDOI	SANDILA	S-NPP	27.22949	80.59078	12:20:30	D	1.90
48	HARDOI	SHAHABAD	S-NPP	27.60718	79.92009	14:00:05	D	4.80
49	HARDOI	SHAHABAD	S-NPP	27.60750	79.92473	14:00:05	D	6.50
50	JHANSI	MOTH	AQUA	25.80500	78.86600	14:14:59	D	11.40
51	JHANSI	MOTH	AQUA	25.81700	78.86400	14:14:59	D	10.20
52	JHANSI	MOTH	S-NPP	25.66973	78.90517	14:00:05	D	2.90
53	JHANSI	MOTH	S-NPP	25.72775	78.88445	14:00:05	D	4.50
54	JHANSI	MOTH	S-NPP	25.80495	78.86907	14:00:05	D	3.90
55	JHANSI	MOTH	S-NPP	25.81188	78.86337	14:00:05	D	3.00
56	JHANSI	MOTH	S-NPP	25.81541	78.86430	14:00:05	D	3.70
57	JHANSI	MOTH	S-NPP	25.81848	78.87778	14:00:05	D	2.00
58	KANPUR DEHAT	AKBARPUR	S-NPP	26.50605	80.03386	01:10:31	N	0.40
59	KAUSHAMBI	SIRATHU	S-NPP	25.52622	81.26515	14:00:05	D	5.30
60	KHERI	GOLA	S-NPP	28.23654	80.60637	01:10:31	N	1.00
61	KHERI	GOLA	S-NPP	28.23775	80.60850	01:10:31	N	0.70
62	KHERI	GOLA	S-NPP	28.28059	80.61946	14:00:05	D	2.50
63	KUSHINAGAR	HATA	S-NPP	26.80617	83.68713	12:20:30	D	3.20
64	KUSHINAGAR	HATA	S-NPP	26.84564	83.69807	12:20:30	D	3.20

65	KUSHINAGAR	KASAYA	S-NPP	26.67583	84.00389	12:20:30	D	3.70
66	LUCKNOW	BAKSHIKA TALAB	S-NPP	27.00646	80.96305	14:00:05	D	2.60
67	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.91441	83.54586	12:20:30	D	3.50
68	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.92685	83.47934	12:20:30	D	2.10
69	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.08374	83.53979	12:20:30	D	4.10
70	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.09912	83.63531	01:10:31	N	1.20
71	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.22404	83.57479	12:20:30	D	2.40
72	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.23776	83.58628	12:20:30	D	3.90
73	MEERUT	MAWANA	AQUA	28.95400	77.94700	14:14:59	D	9.10
74	MEERUT	MAWANA	S-NPP	29.02588	77.90323	14:00:05	D	3.50
75	MEERUT	MEERUT	S-NPP	29.04004	77.55515	14:00:05	D	2.50
76	MEERUT	MEERUT	S-NPP	29.07807	77.48300	12:20:30	D	3.10
77	MUZAFARNAGAR	BUDHANA	S-NPP	29.28010	77.52636	14:00:05	D	1.80
78	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.44678	77.75711	14:00:05	D	1.40
79	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.46914	77.51167	14:00:05	D	2.80
80	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.46942	77.51517	14:00:05	D	2.80
81	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.89432	82.92854	12:20:30	D	2.90
82	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.87116	80.02248	14:00:05	D	2.40
83	SHARANPUR	DEOBAND	S-NPP	29.76758	77.61429	14:00:05	D	3.30
84	SHARANPUR	DEOBAND	S-NPP	29.83296	77.57896	14:00:05	D	3.00
85	SHARANPUR	NAKUR	S-NPP	30.03995	77.31397	14:00:05	D	4.10
86	SHRAWASTI	IKAUNA	S-NPP	27.67841	81.74585	12:20:30	D	4.70
87	SHRAWASTI	IKAUNA	S-NPP	27.67978	81.74702	12:20:30	D	3.50
88	SIDDHARTHANAGAR	BANSI	S-NPP	27.11651	82.89159	12:20:30	D	2.20
89	SIDDHARTHANAGAR	BANSI	S-NPP	27.13846	82.91072	12:20:30	D	3.20
90	SIDDHARTHANAGAR	ITWA	S-NPP	27.28660	82.80705	12:20:30	D	3.10
91	SIDDHARTHANAGAR	ITWA	S-NPP	27.28773	82.80713	12:20:30	D	3.90
92	SIDDHARTHANAGAR	ITWA	S-NPP	27.32551	82.65297	12:20:30	D	2.20
93	SIDDHARTHANAGAR	ITWA	S-NPP	27.38240	82.69926	12:20:30	D	1.90
94	SITAPUR	LAHARPUR	S-NPP	27.66578	80.97738	14:00:05	D	2.50
95	SITAPUR	LAHARPUR	S-NPP	27.66968	80.97579	14:00:05	D	3.90
96	SITAPUR	MAHMUDABAD	TERRA	27.46700	81.09000	10:19:07	D	12.00
97	SITAPUR	MISRIK	TERRA	27.42400	80.52700	10:19:07	D	5.90
98	SITAPUR	SITAPUR	S-NPP	27.68199	80.77047	12:20:30	D	4.20

99	SITAPUR	SITAPUR	S-NPP	27.68234	80.76819	12:20:30	D	3.20
100	SULTANPUR	KADIRPUR	TERRA	26.07100	82.47500	10:19:07	D	7.30
101	SULTANPUR	LAMBHUA	S-NPP	26.03075	82.19738	12:20:30	D	7.30
102	UNNAO	UNNAO	S-NPP	26.57418	80.57328	14:00:05	D	3.60

Details of residue burning events in Rajasthan on 20-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	GANGANAGAR	SURATGARH	AQUA	29.32900	73.80400	14:14:59	D	5.40
2	GANGANAGAR	SURATGARH	AQUA	29.33000	73.81500	14:14:59	D	5.90
3	GANGANAGAR	SURATGARH	AQUA	29.35000	73.96200	14:14:59	D	15.40
4	GANGANAGAR	SURATGARH	AQUA	29.35800	73.96600	14:14:59	D	9.10
5	GANGANAGAR	SURATGARH	S-NPP	29.33715	73.93029	14:00:05	D	2.70
6	GANGANAGAR	SURATGARH	S-NPP	29.35323	73.96249	14:00:05	D	2.20
7	GANGANAGAR	SURATGARH	S-NPP	29.36468	73.73673	14:00:05	D	2.20
8	GANGANAGAR	SURATGARH	S-NPP	29.36581	73.73553	14:00:05	D	2.30
9	GANGANAGAR	SURATGARH	S-NPP	29.37871	73.75158	14:00:05	D	2.30
10	GANGANAGAR	VIJAY NAGAR	AQUA	29.23900	73.55400	14:14:59	D	4.50
11	GANGANAGAR	VIJAY NAGAR	S-NPP	29.24320	73.55832	14:00:05	D	5.60
12	HANUMANGARH	HANUMANGARH	AQUA	29.52100	74.21600	14:14:59	D	6.20
13	HANUMANGARH	HANUMANGARH	AQUA	29.57100	74.30800	14:14:59	D	21.10
14	HANUMANGARH	HANUMANGARH	AQUA	29.61400	74.37300	14:14:59	D	7.00
15	HANUMANGARH	HANUMANGARH	AQUA	29.61600	74.38400	14:14:59	D	5.90
16	HANUMANGARH	HANUMANGARH	S-NPP	29.50448	74.18021	14:00:05	D	3.20
17	HANUMANGARH	HANUMANGARH	S-NPP	29.64856	74.33908	14:00:05	D	2.50
18	HANUMANGARH	PILIBANGA	AQUA	29.40400	73.95800	14:14:59	D	6.60
19	HANUMANGARH	PILIBANGA	S-NPP	29.49788	74.11893	14:00:05	D	4.90
20	HANUMANGARH	PILIBANGA	S-NPP	29.49882	74.12766	14:00:05	D	3.10
21	HANUMANGARH	TIBI	AQUA	29.54100	74.58400	14:14:59	D	6.20
22	HANUMANGARH	TIBI	AQUA	29.55600	74.55800	14:14:59	D	6.60
23	HANUMANGARH	TIBI	AQUA	29.56300	74.46600	14:14:59	D	33.30
24	HANUMANGARH	TIBI	AQUA	29.56600	74.55700	14:14:59	D	29.00
25	HANUMANGARH	TIBI	AQUA	29.56800	74.49900	14:14:59	D	13.30
26	HANUMANGARH	TIBI	AQUA	29.56900	74.51100	14:14:59	D	8.50
27	HANUMANGARH	TIBI	AQUA	29.57000	74.44300	14:14:59	D	10.10
28	HANUMANGARH	TIBI	AQUA	29.57100	74.45400	14:14:59	D	23.30
29	HANUMANGARH	TIBI	S-NPP	29.53519	74.59322	14:00:05	D	9.20
30	HANUMANGARH	TIBI	S-NPP	29.54285	74.58281	14:00:05	D	4.10

31	HANUMANGARH	TIBI	S-NPP	29.54333	74.58746	14:00:05	D	7.90
32	HANUMANGARH	TIBI	S-NPP	29.55124	74.55978	14:00:05	D	6.60
33	HANUMANGARH	TIBI	S-NPP	29.55334	74.55795	14:00:05	D	9.10
34	HANUMANGARH	TIBI	S-NPP	29.55418	74.54532	14:00:05	D	3.50
35	HANUMANGARH	TIBI	S-NPP	29.55555	74.55922	14:00:05	D	6.60
36	HANUMANGARH	TIBI	S-NPP	29.55618	74.54350	14:00:05	D	3.30
37	HANUMANGARH	TIBI	S-NPP	29.55764	74.55739	14:00:05	D	5.10
38	HANUMANGARH	TIBI	S-NPP	29.57198	74.50554	14:00:05	D	2.40
39	HANUMANGARH	TIBI	S-NPP	29.60924	74.40321	14:00:05	D	2.20
40	KOTA	SANGOD	S-NPP	24.92184	76.40755	14:00:05	D	5.00

Details of residue burning events in Madhya Pradesh on 20-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	BETUL	BETUL	S-NPP	21.75984	77.88773	14:00:05	D	5.00
2	BETUL	MULTAI	S-NPP	21.72311	78.00633	14:00:05	D	2.90
3	BETUL	MULTAI	S-NPP	21.72492	78.00313	14:00:05	D	5.70
4	CHHINDWARA	AMARWARA	S-NPP	22.25675	79.29122	14:00:05	D	5.60
5	CHHINDWARA	CHAURAI	S-NPP	22.09617	79.33942	14:00:05	D	2.20
6	CHHINDWARA	PARASIA	S-NPP	22.22490	78.76248	14:00:05	D	2.70
7	DATIA	BHANDER	S-NPP	25.90036	78.69439	14:00:05	D	1.70
8	DATIA	SEONDHA	AQUA	25.98500	78.63600	14:14:59	D	9.90
9	DEWAS	KANNOD	AQUA	22.62700	76.80000	14:14:59	D	5.40
10	DEWAS	SONKACH	AQUA	23.17500	76.51300	14:14:59	D	11.70
11	GWALIOR	BHITARWAR	AQUA	25.73000	78.09900	14:14:59	D	9.00
12	GWALIOR	BHITARWAR	AQUA	25.80200	78.02200	14:14:59	D	10.40
13	GWALIOR	BHITARWAR	AQUA	25.90400	78.12400	14:14:59	D	17.10
14	GWALIOR	BHITARWAR	AQUA	25.92100	78.07600	14:14:59	D	10.80
15	GWALIOR	BHITARWAR	AQUA	25.92600	78.08400	14:14:59	D	20.30
16	GWALIOR	BHITARWAR	AQUA	25.95300	78.03400	14:14:59	D	15.20
17	GWALIOR	BHITARWAR	S-NPP	25.72192	78.06113	14:00:05	D	3.60
18	GWALIOR	BHITARWAR	S-NPP	25.72498	78.09444	14:00:05	D	4.80
19	GWALIOR	BHITARWAR	S-NPP	25.73042	78.09721	14:00:05	D	4.80
20	GWALIOR	BHITARWAR	S-NPP	25.73483	78.03324	14:00:05	D	2.90
21	GWALIOR	BHITARWAR	S-NPP	25.73698	78.05632	14:00:05	D	1.40
22	GWALIOR	BHITARWAR	S-NPP	25.74161	78.10619	14:00:05	D	5.70
23	GWALIOR	BHITARWAR	S-NPP	25.78990	78.04548	14:00:05	D	2.80
24	GWALIOR	BHITARWAR	S-NPP	25.80256	78.01409	14:00:05	D	3.20
25	GWALIOR	BHITARWAR	S-NPP	25.80286	78.01740	14:00:05	D	5.70
26	GWALIOR	BHITARWAR	S-NPP	25.80316	78.02071	14:00:05	D	5.70
27	GWALIOR	BHITARWAR	S-NPP	25.82902	78.02132	14:00:05	D	4.50
28	GWALIOR	BHITARWAR	S-NPP	25.89231	78.12109	14:00:05	D	1.80
29	GWALIOR	BHITARWAR	S-NPP	25.92531	78.08369	14:00:05	D	5.00

30	GWALIOR	BHITARWAR	S-NPP	25.92561	78.08704	14:00:05	D	5.00
31	GWALIOR	BHITARWAR	S-NPP	25.94017	78.13297	14:00:05	D	5.50
32	GWALIOR	BHITARWAR	S-NPP	25.94853	78.05421	14:00:05	D	4.50
33	GWALIOR	BHITARWAR	S-NPP	25.94884	78.05756	14:00:05	D	4.50
34	GWALIOR	BHITARWAR	S-NPP	25.95900	78.03253	14:00:05	D	3.70
35	GWALIOR	BHITARWAR	S-NPP	25.96205	78.03262	14:00:05	D	5.90
36	GWALIOR	BHITARWAR	S-NPP	25.96413	78.03198	14:00:05	D	2.40
37	GWALIOR	BHITARWAR	S-NPP	25.96576	78.18493	14:00:05	D	7.10
38	GWALIOR	BHITARWAR	S-NPP	25.96607	78.18831	14:00:05	D	5.70
39	GWALIOR	BHITARWAR	S-NPP	25.96682	78.18459	14:00:05	D	7.50
40	GWALIOR	BHITARWAR	S-NPP	25.96710	78.18797	14:00:05	D	5.50
41	GWALIOR	BHITARWAR	S-NPP	25.97908	78.15957	14:00:05	D	2.40
42	GWALIOR	BHITARWAR	S-NPP	25.99918	78.13658	14:00:05	D	2.20
43	GWALIOR	DABRA	AQUA	25.84800	78.23100	14:14:59	D	9.10
44	GWALIOR	DABRA	AQUA	25.84900	78.22500	14:14:59	D	9.10
45	GWALIOR	DABRA	AQUA	25.86400	78.16100	14:14:59	D	12.30
46	GWALIOR	DABRA	S-NPP	25.85925	78.18032	14:00:05	D	3.00
47	GWALIOR	DABRA	S-NPP	25.85937	78.23859	14:00:05	D	2.80
48	GWALIOR	DABRA	S-NPP	25.86089	78.17894	14:00:05	D	6.30
49	GWALIOR	DABRA	S-NPP	25.86441	78.17978	14:00:05	D	3.00
50	GWALIOR	DABRA	S-NPP	25.86518	78.16821	14:00:05	D	4.60
51	GWALIOR	DABRA	S-NPP	25.86864	78.16911	14:00:05	D	9.40
52	GWALIOR	DABRA	S-NPP	25.87034	78.16769	14:00:05	D	3.10
53	GWALIOR	DABRA	S-NPP	25.90848	78.24598	14:00:05	D	3.30
54	GWALIOR	DABRA	S-NPP	25.91149	78.28053	14:00:05	D	1.40
55	GWALIOR	DABRA	S-NPP	25.91458	78.25580	14:00:05	D	3.00
56	GWALIOR	DABRA	S-NPP	25.93839	78.22898	14:00:05	D	4.20
57	GWALIOR	DABRA	S-NPP	25.96225	78.26116	14:00:05	D	3.60
58	GWALIOR	DABRA	S-NPP	25.97548	78.29116	14:00:05	D	3.10
59	GWALIOR	DABRA	S-NPP	25.97581	78.29104	14:00:05	D	3.10
60	GWALIOR	GWALIOR	S-NPP	26.32812	78.33273	14:00:05	D	1.60
61	HOSHANGABAD	BANKHERI	S-NPP	22.75927	78.51959	14:00:05	D	4.30
62	HOSHANGABAD	BANKHERI	S-NPP	22.82072	78.56810	14:00:05	D	2.80

63	HOSHANGABAD	BANKHERI	S-NPP	22.90947	78.44982	14:00:05	D	2.20
64	HOSHANGABAD	BANKHERI	S-NPP	22.95834	78.43954	14:00:05	D	2.10
65	JABALPUR	JABALPUR	AQUA	23.28200	79.84800	14:14:59	D	23.70
66	JABALPUR	JABALPUR	AQUA	23.30400	79.93700	14:14:59	D	13.90
67	JABALPUR	JABALPUR	AQUA	23.30800	79.93000	14:14:59	D	12.20
68	JABALPUR	JABALPUR	TERRA	23.36100	79.94800	10:19:07	D	7.80
69	JABALPUR	JABALPUR	S-NPP	23.13671	80.08855	14:00:05	D	5.00
70	JABALPUR	JABALPUR	S-NPP	23.17389	79.82533	14:00:05	D	5.10
71	JABALPUR	JABALPUR	S-NPP	23.17523	79.82642	14:00:05	D	3.70
72	JABALPUR	JABALPUR	S-NPP	23.18250	79.86032	14:00:05	D	4.00
73	JABALPUR	JABALPUR	S-NPP	23.25650	79.95502	12:20:30	D	8.90
74	JABALPUR	JABALPUR	S-NPP	23.27657	79.92366	14:00:05	D	9.30
75	JABALPUR	JABALPUR	S-NPP	23.27858	79.92747	14:00:05	D	5.90
76	JABALPUR	JABALPUR	S-NPP	23.28251	79.92712	14:00:05	D	11.20
77	JABALPUR	JABALPUR	S-NPP	23.28418	79.92694	14:00:05	D	8.60
78	JABALPUR	JABALPUR	S-NPP	23.28777	79.92255	14:00:05	D	5.70
79	JABALPUR	JABALPUR	S-NPP	23.28941	79.92241	14:00:05	D	9.90
80	JABALPUR	JABALPUR	S-NPP	23.29863	79.91747	14:00:05	D	4.60
81	JABALPUR	JABALPUR	S-NPP	23.30595	79.93703	14:00:05	D	1.50
82	JABALPUR	JABALPUR	S-NPP	23.31606	79.89859	12:20:30	D	8.40
83	JABALPUR	JABALPUR	S-NPP	23.32908	79.94294	14:00:05	D	2.20
84	JABALPUR	JABALPUR	S-NPP	23.33224	79.97930	14:00:05	D	4.80
85	JABALPUR	JABALPUR	S-NPP	23.34567	79.93830	12:20:30	D	9.70
86	JABALPUR	JABALPUR	S-NPP	23.35223	79.94886	14:00:05	D	3.80
87	JABALPUR	JABALPUR	S-NPP	23.35676	79.93621	14:00:05	D	3.50
88	JABALPUR	JABALPUR	S-NPP	23.37174	79.94008	14:00:05	D	4.10
89	JABALPUR	JABALPUR	S-NPP	23.37396	79.93867	14:00:05	D	2.80
90	JABALPUR	JABALPUR	S-NPP	23.37635	79.92744	14:00:05	D	4.40
91	JABALPUR	JABALPUR	S-NPP	23.37847	79.92606	14:00:05	D	5.40
92	JABALPUR	MAJHOULI	AQUA	23.46800	79.99700	14:14:59	D	41.50
93	JABALPUR	MAJHOULI	AQUA	23.47000	80.01500	14:14:59	D	27.70
94	JABALPUR	MAJHOULI	TERRA	23.47200	80.00900	10:19:07	D	7.60
95	JABALPUR	MAJHOULI	TERRA	23.55200	79.89800	10:19:07	D	10.30

96	JABALPUR	MAJHOULI	S-NPP	23.37510	79.98056	14:00:05	D	2.50
97	JABALPUR	MAJHOULI	S-NPP	23.37577	79.98868	14:00:05	D	5.30
98	JABALPUR	MAJHOULI	S-NPP	23.37870	79.95574	14:00:05	D	2.50
99	JABALPUR	MAJHOULI	S-NPP	23.38103	79.95433	14:00:05	D	1.70
100	JABALPUR	MAJHOULI	S-NPP	23.38266	79.99593	12:20:30	D	4.10
101	JABALPUR	MAJHOULI	S-NPP	23.38467	79.99475	14:00:05	D	3.20
102	JABALPUR	MAJHOULI	S-NPP	23.38770	79.99574	14:00:05	D	3.70
103	JABALPUR	MAJHOULI	S-NPP	23.42184	79.99654	14:00:05	D	5.00
104	JABALPUR	MAJHOULI	S-NPP	23.42891	79.94677	14:00:05	D	6.00
105	JABALPUR	MAJHOULI	S-NPP	23.43626	80.03218	14:00:05	D	1.80
106	JABALPUR	MAJHOULI	S-NPP	23.46486	80.03358	14:00:05	D	4.70
107	JABALPUR	MAJHOULI	S-NPP	23.46691	79.99223	14:00:05	D	5.40
108	JABALPUR	MAJHOULI	S-NPP	23.47507	80.02024	14:00:05	D	4.70
109	JABALPUR	MAJHOULI	S-NPP	23.50110	80.02196	14:00:05	D	2.50
110	JABALPUR	MAJHOULI	S-NPP	23.50256	80.00942	14:00:05	D	2.50
111	JABALPUR	MAJHOULI	S-NPP	23.54731	79.89852	14:00:05	D	3.70
112	JABALPUR	PATAN	AQUA	23.21600	79.80100	14:14:59	D	22.30
113	JABALPUR	PATAN	AQUA	23.27500	79.84300	14:14:59	D	38.60
114	JABALPUR	PATAN	AQUA	23.28000	79.83000	14:14:59	D	12.80
115	JABALPUR	PATAN	AQUA	23.30700	79.80200	14:14:59	D	16.90
116	JABALPUR	PATAN	AQUA	23.37900	79.84100	14:14:59	D	10.70
117	JABALPUR	PATAN	S-NPP	23.20656	79.75104	14:00:05	D	3.40
118	JABALPUR	PATAN	S-NPP	23.21419	79.83733	14:00:05	D	4.20
119	JABALPUR	PATAN	S-NPP	23.23670	79.77570	14:00:05	D	3.00
120	JABALPUR	PATAN	S-NPP	23.24509	79.80656	14:00:05	D	3.70
121	JABALPUR	PATAN	S-NPP	23.24545	79.81048	14:00:05	D	4.80
122	JABALPUR	PATAN	S-NPP	23.24652	79.82228	14:00:05	D	3.40
123	JABALPUR	PATAN	S-NPP	23.25496	79.73441	14:00:05	D	7.00
124	JABALPUR	PATAN	S-NPP	23.25529	79.73450	14:00:05	D	6.90
125	JABALPUR	PATAN	S-NPP	23.25529	79.73830	14:00:05	D	10.80
126	JABALPUR	PATAN	S-NPP	23.25565	79.73840	14:00:05	D	10.30
127	JABALPUR	PATAN	S-NPP	23.26127	79.80889	14:00:05	D	3.50
128	JABALPUR	PATAN	S-NPP	23.26160	79.81284	14:00:05	D	3.50

129	JABALPUR	PATAN	S-NPP	23.26212	79.80888	14:00:05	D	3.40
130	JABALPUR	PATAN	S-NPP	23.26248	79.81281	14:00:05	D	3.40
131	JABALPUR	PATAN	S-NPP	23.26854	79.69779	14:00:05	D	2.50
132	JABALPUR	PATAN	S-NPP	23.26863	79.69802	14:00:05	D	2.20
133	JABALPUR	PATAN	S-NPP	23.27911	79.75565	14:00:05	D	2.40
134	JABALPUR	PATAN	S-NPP	23.28012	79.76738	14:00:05	D	3.80
135	JABALPUR	PATAN	S-NPP	23.31200	79.74847	14:00:05	D	2.90
136	JABALPUR	PATAN	S-NPP	23.35557	79.85968	14:00:05	D	13.70
137	JABALPUR	PATAN	S-NPP	23.35592	79.86367	14:00:05	D	15.40
138	JABALPUR	PATAN	S-NPP	23.36115	79.85916	14:00:05	D	7.00
139	JABALPUR	PATAN	S-NPP	23.36507	79.85987	14:00:05	D	4.90
140	JABALPUR	PATAN	S-NPP	23.37055	79.79134	14:00:05	D	2.80
141	JABALPUR	PATAN	S-NPP	23.37174	79.79025	14:00:05	D	2.90
142	JABALPUR	PATAN	S-NPP	23.37523	79.84679	14:00:05	D	3.80
143	JABALPUR	PATAN	S-NPP	23.37680	79.84561	14:00:05	D	5.10
144	JABALPUR	PATAN	S-NPP	23.38013	79.83830	14:00:05	D	6.70
145	JABALPUR	PATAN	S-NPP	23.38081	79.84625	14:00:05	D	3.80
146	JABALPUR	PATAN	S-NPP	23.38165	79.83714	14:00:05	D	4.90
147	JABALPUR	PATAN	S-NPP	23.38238	79.84509	14:00:05	D	2.80
148	JABALPUR	SAHPURA	S-NPP	23.15909	79.78328	14:00:05	D	5.40
149	JABALPUR	SAHPURA	S-NPP	23.16014	79.78441	14:00:05	D	6.20
150	JABALPUR	SAHPURA	S-NPP	23.19098	79.76437	14:00:05	D	1.70
151	JABALPUR	SIHORA	TERRA	23.44700	80.18800	10:19:07	D	6.20
152	JABALPUR	SIHORA	S-NPP	23.40086	80.17574	14:00:05	D	2.70
153	JABALPUR	SIHORA	S-NPP	23.43751	80.25012	14:00:05	D	3.10
154	JABALPUR	SIHORA	S-NPP	23.44828	80.17286	14:00:05	D	2.90
155	JABALPUR	SIHORA	S-NPP	23.45712	80.07576	14:00:05	D	4.00
156	JABALPUR	SIHORA	S-NPP	23.46279	80.07522	14:00:05	D	2.00
157	JABALPUR	SIHORA	S-NPP	23.49055	80.13097	14:00:05	D	3.90
158	JABALPUR	SIHORA	S-NPP	23.49258	80.12682	14:00:05	D	3.00
159	JABALPUR	SIHORA	S-NPP	23.49292	80.13100	14:00:05	D	3.30
160	KATNI	BAHURIBAND	TERRA	23.61800	80.01700	10:19:07	D	4.60
161	KATNI	BAHURIBAND	S-NPP	23.62628	80.05896	14:00:05	D	2.70

162	KATNI	BAHURIBAND	S-NPP	23.66986	80.10077	14:00:05	D	4.30
163	KATNI	MURBARA	S-NPP	23.84644	80.45805	14:00:05	D	2.80
164	MANDLA	NAINPUR	S-NPP	22.40584	80.16906	14:00:05	D	3.00
165	MANDLA	NAINPUR	S-NPP	22.42703	80.09037	14:00:05	D	7.80
166	NARSHIMAPURA	GADARWARA	S-NPP	22.85556	78.69353	14:00:05	D	2.80
167	NARSHIMAPURA	GADARWARA	S-NPP	22.89885	78.60323	14:00:05	D	3.20
168	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.77743	79.31984	14:00:05	D	3.70
169	PANNA	PANNA	S-NPP	24.58055	80.30188	14:00:05	D	5.90
170	PANNA	PANNA	S-NPP	24.58084	80.30550	14:00:05	D	8.60
171	PANNA	PANNA	S-NPP	24.58090	80.30630	14:00:05	D	7.80
172	PANNA	SHAHNAGAR	AQUA	23.85700	79.95500	14:14:59	D	10.70
173	RAISEN	BARELI	S-NPP	22.92235	78.22642	14:00:05	D	12.80
174	RAISEN	BARELI	S-NPP	22.92291	78.23042	14:00:05	D	9.20
175	RAISEN	BARELI	S-NPP	22.92362	78.08276	14:00:05	D	4.80
176	RAISEN	GOHARGANJ	S-NPP	23.02899	77.63653	14:00:05	D	7.20
177	RAISEN	GOHARGANJ	S-NPP	23.02913	77.59106	14:00:05	D	5.10
178	RAISEN	GOHARGANJ	S-NPP	23.05725	77.67335	14:00:05	D	6.10
179	RAISEN	GOHARGANJ	S-NPP	23.06076	77.67076	14:00:05	D	8.40
180	RAISEN	SILVANI	S-NPP	23.24794	78.39392	14:00:05	D	1.20
181	RATLAM	RATLAM	S-NPP	23.35219	74.99668	02:50:48	N	0.60
182	SATNA	NAGOD	S-NPP	24.48310	80.53138	14:00:05	D	3.80
183	SATNA	RAMPURBAGHLEAN	S-NPP	24.67342	81.05045	14:00:05	D	3.50
184	SATNA	RAMPURBAGHLEAN	S-NPP	24.71562	81.04180	14:00:05	D	3.70
185	SATNA	RAMPURBAGHLEAN	S-NPP	24.71611	81.04266	14:00:05	D	3.60
186	SEONI	GHANSAUR	S-NPP	22.43478	79.68750	14:00:05	D	2.90
187	SEONI	GHANSAUR	S-NPP	22.44365	79.78614	14:00:05	D	4.80
188	SEONI	GHANSAUR	S-NPP	22.54843	79.84323	14:00:05	D	4.20
189	SEONI	KEWLARI	S-NPP	22.44112	79.94653	14:00:05	D	3.90
190	SEONI	KEWLARI	S-NPP	22.44158	79.94468	14:00:05	D	2.10
191	SEONI	SEONI	S-NPP	22.12789	79.38995	14:00:05	D	5.10
192	SEONI	SEONI	S-NPP	22.12823	79.39356	14:00:05	D	5.10
193	SEONI	SEONI	S-NPP	22.19436	79.73054	14:00:05	D	3.20
194	SEONI	SEONI	S-NPP	22.23043	79.41078	01:10:31	N	0.40

195	SEONI	SEONI	S-NPP	22.28429	79.43662	14:00:05	D	2.30
196	SEONI	SEONI	S-NPP	22.29121	79.51315	14:00:05	D	1.10
197	SHAJAPUR	SUJALPUR	AQUA	23.17700	76.52500	14:14:59	D	10.70
198	SHIVPURI	NARWAR	AQUA	25.70100	78.04300	14:14:59	D	8.10
199	SHIVPURI	NARWAR	S-NPP	25.59987	78.05519	14:00:05	D	3.90
200	SHIVPURI	NARWAR	S-NPP	25.61230	78.24963	14:00:05	D	2.90
201	SHIVPURI	NARWAR	S-NPP	25.66725	78.14445	14:00:05	D	1.60
202	SHIVPURI	NARWAR	S-NPP	25.67159	78.31496	14:00:05	D	1.60
203	SHIVPURI	NARWAR	S-NPP	25.67386	78.16066	14:00:05	D	3.40
204	SHIVPURI	NARWAR	S-NPP	25.70054	78.05330	14:00:05	D	3.90
205	SHIVPURI	NARWAR	S-NPP	25.70565	78.05277	14:00:05	D	3.90
206	SHIVPURI	NARWAR	S-NPP	25.70685	78.00949	14:00:05	D	2.60
207	SHIVPURI	NARWAR	S-NPP	25.73439	77.97358	14:00:05	D	3.30
208	SINGRAULI	SINGRAULI	S-NPP	24.17909	82.64958	01:10:31	N	1.50

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 (ISRO)**

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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](#)
