



**Bulletin
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22-Oct-2022**



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



Prepared by:

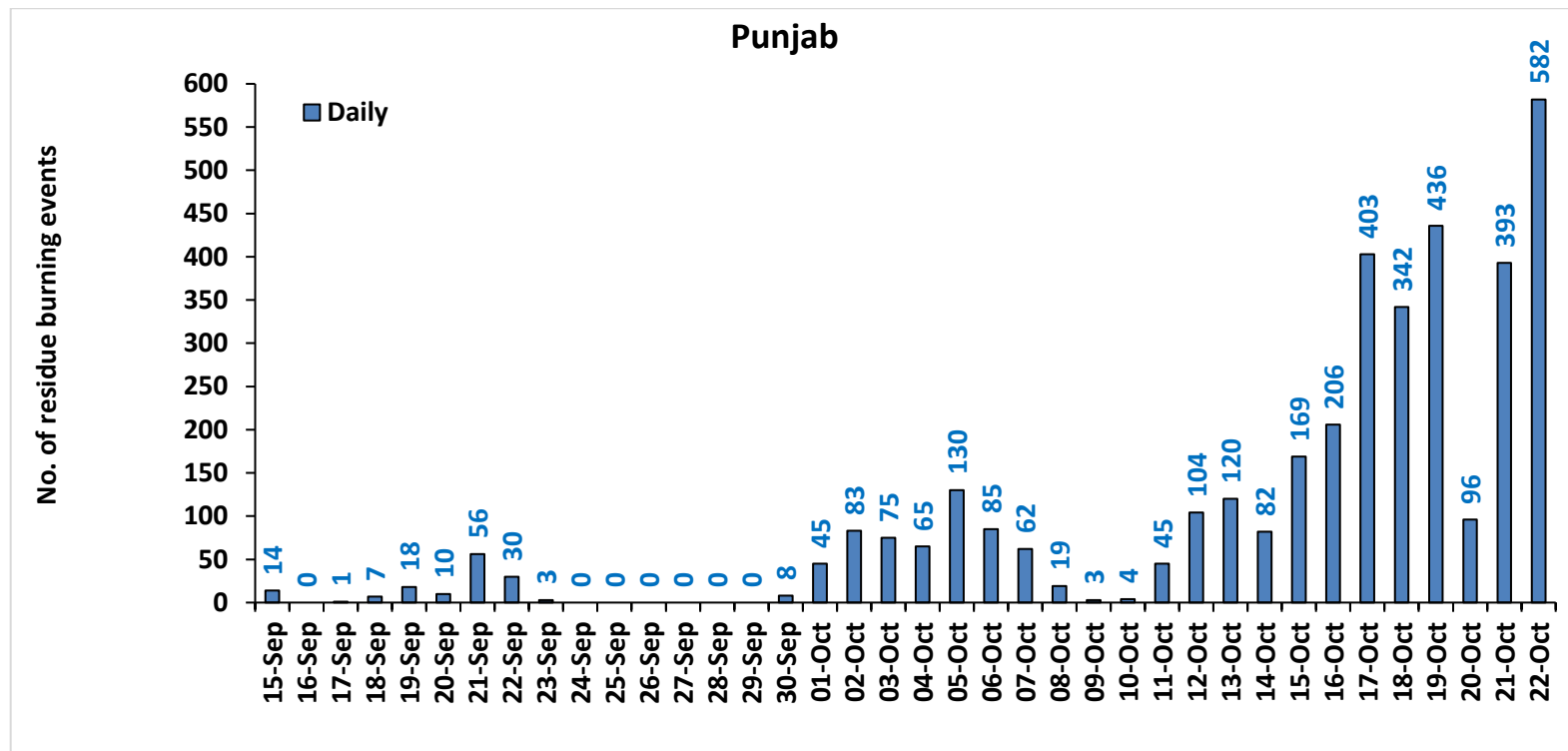
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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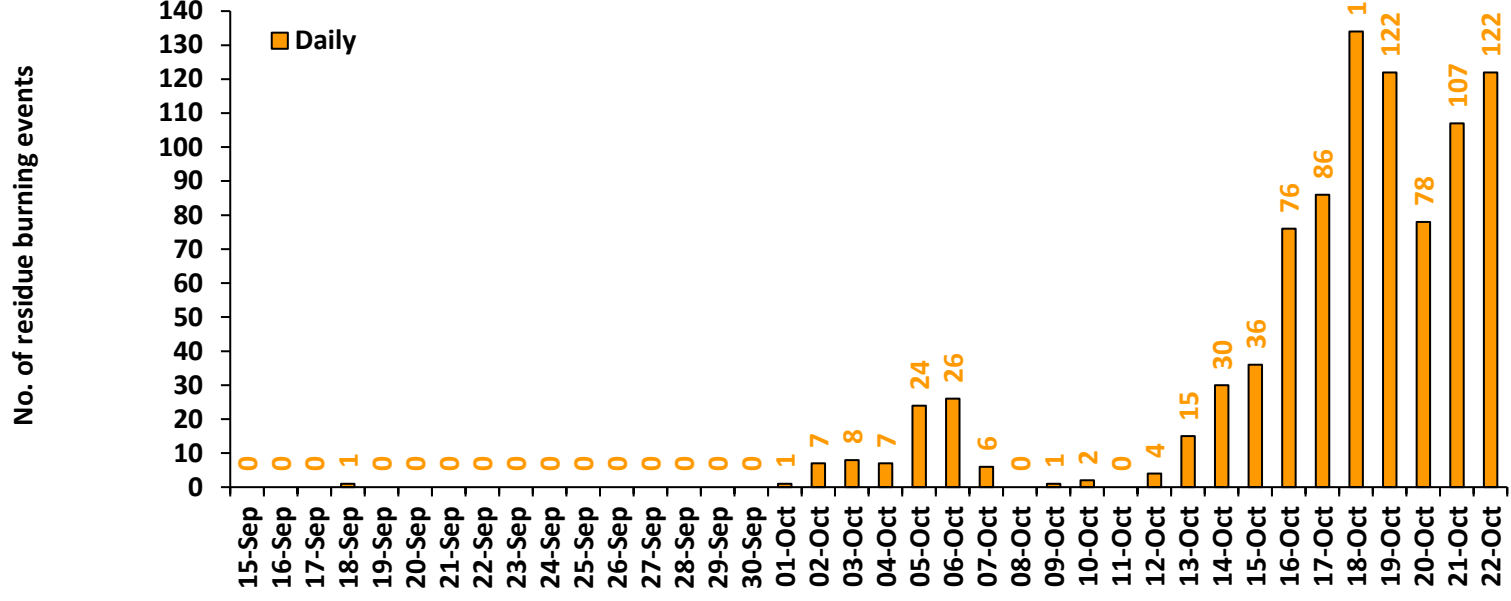
Highlights for 22-Oct-2022

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **765** residue burning events in the six study States on 22-Oct-2022.
- The state wise events detected on 22-Oct-2022 were **582** in Punjab, **122** in Haryana, **18** in UP, **0** in Delhi, **12** in Rajasthan and **31** in MP.
- Total **5005** burning events were detected in the six states between 15-Sept-2022 and 22-Oct-2022, which are distributed as **3696**, **893**, **228**, **3**, **71** and **114** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

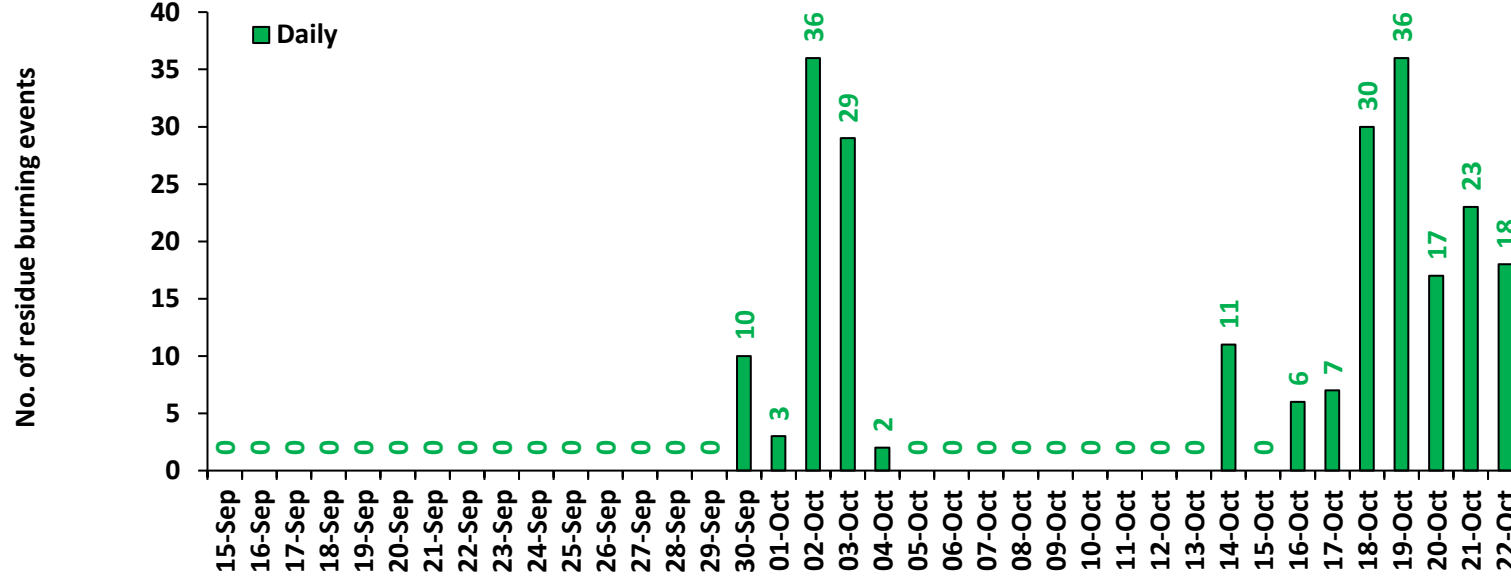
Temporal distribution of rice residue burning events for the study States in 2022



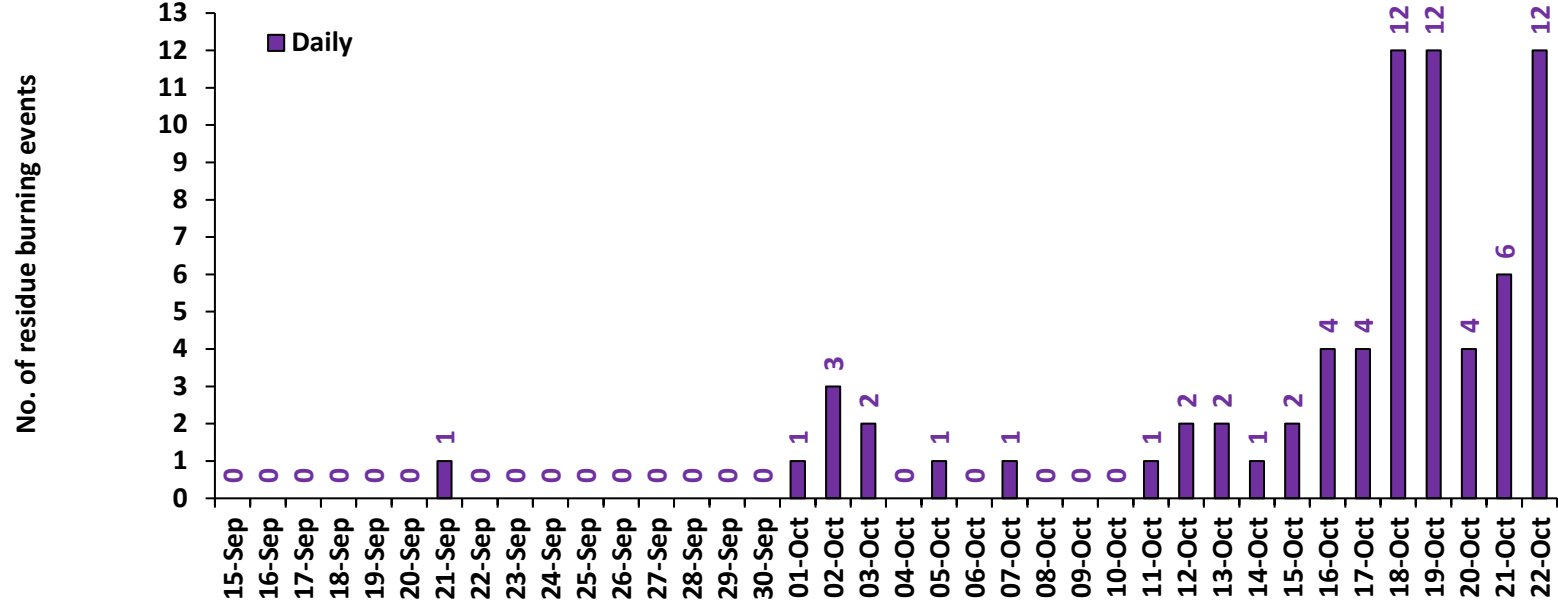
Haryana



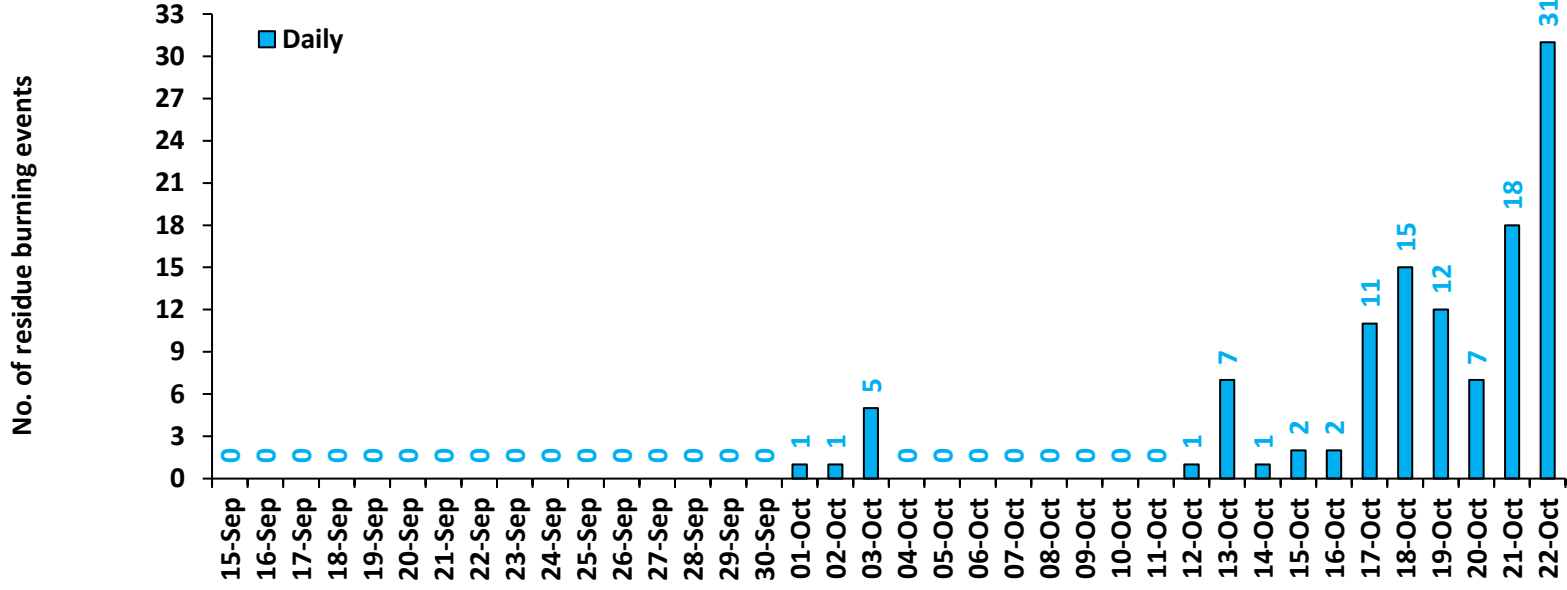
Uttar Pradesh

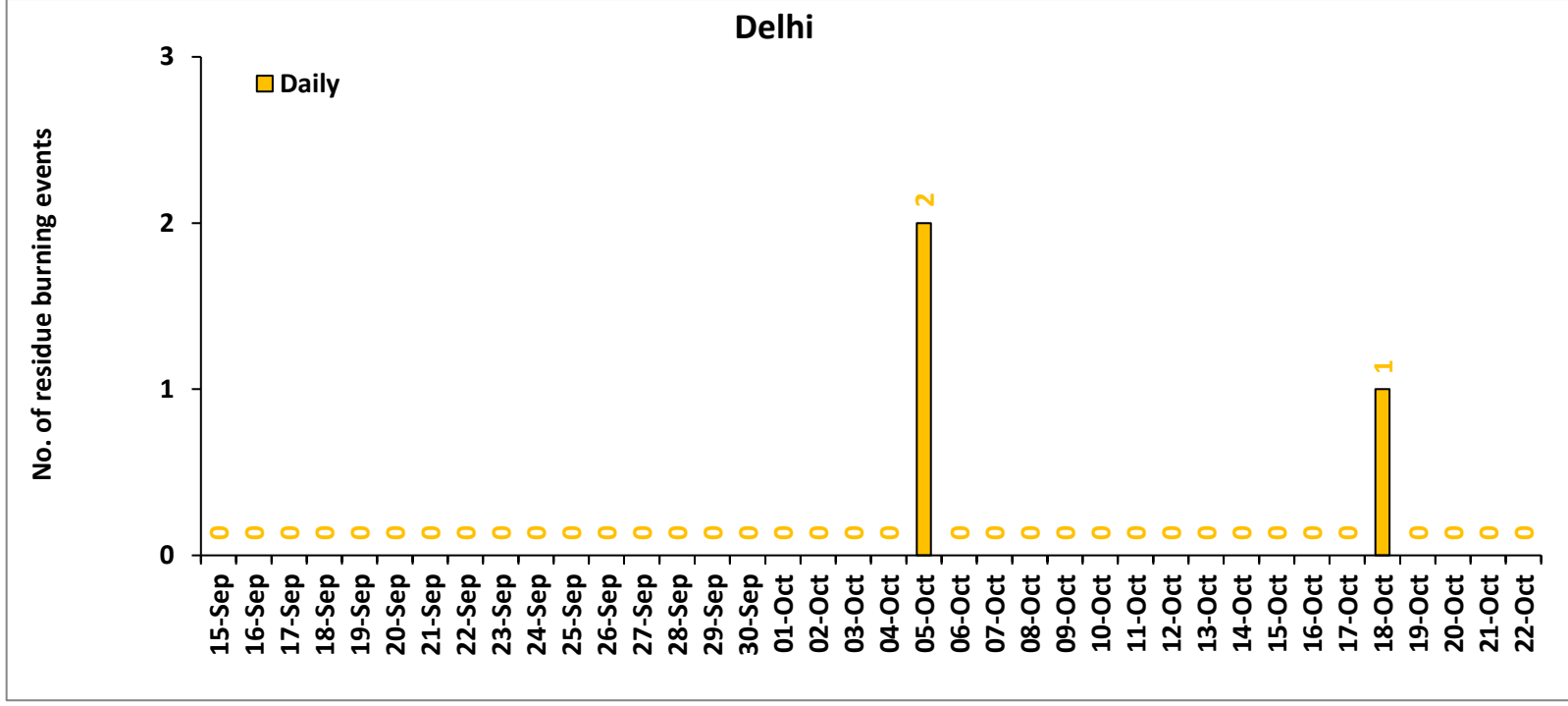


Rajasthan

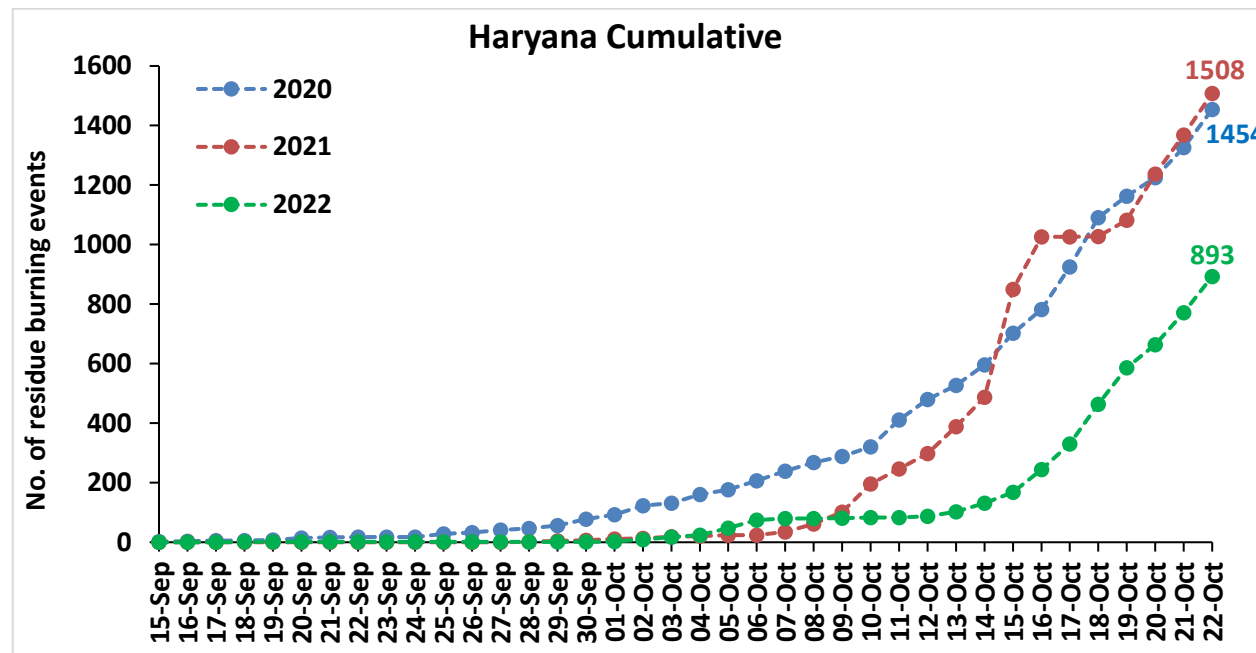
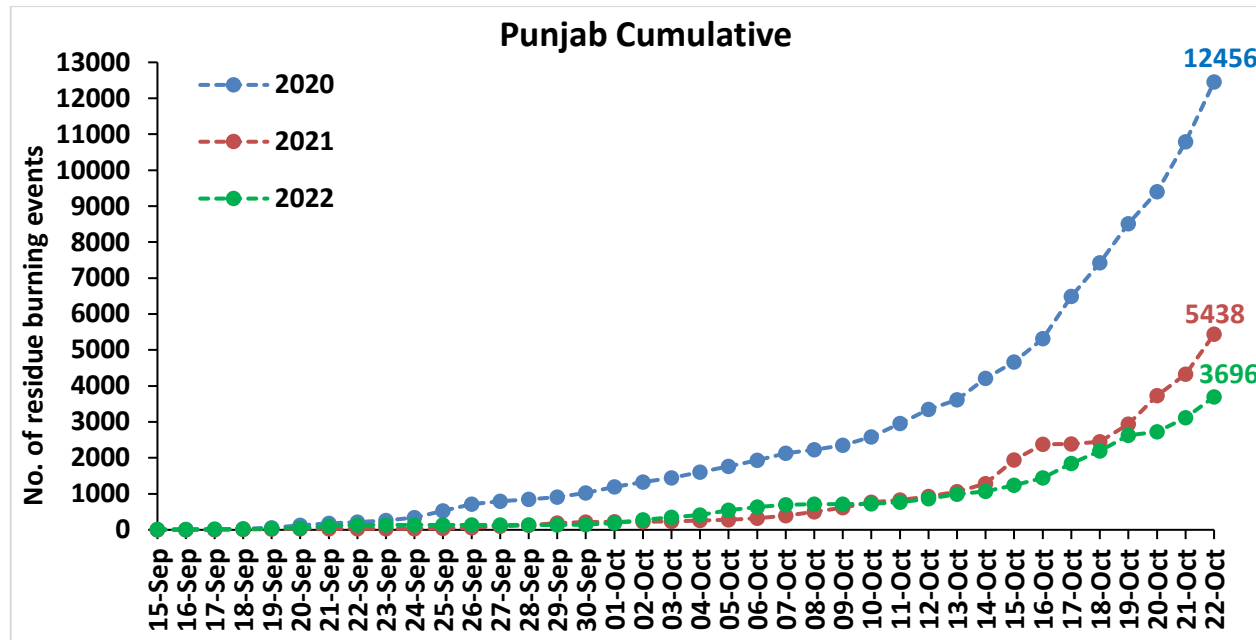


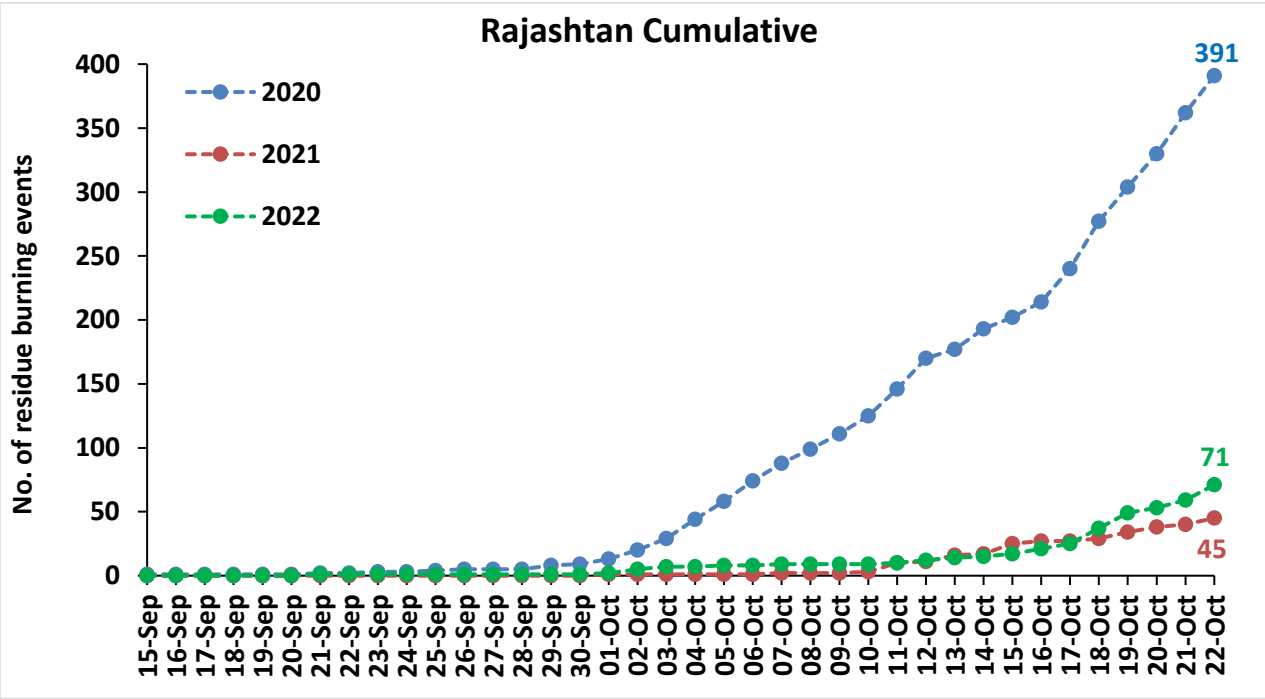
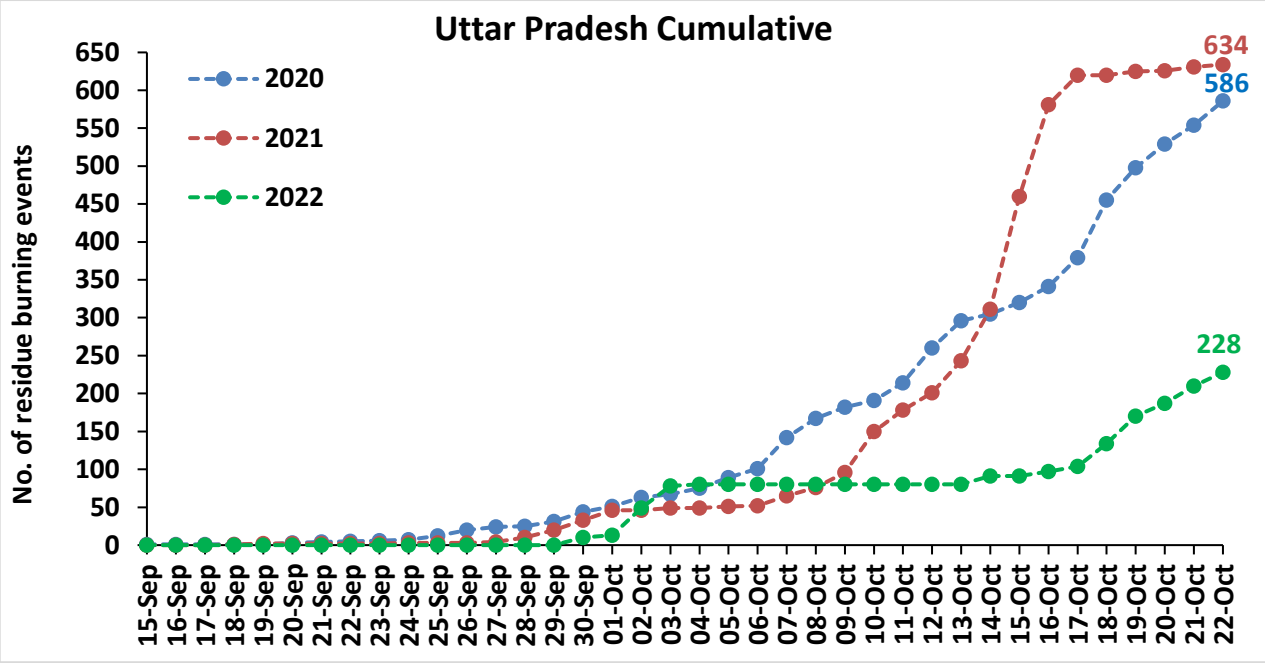
Madhya Pradesh

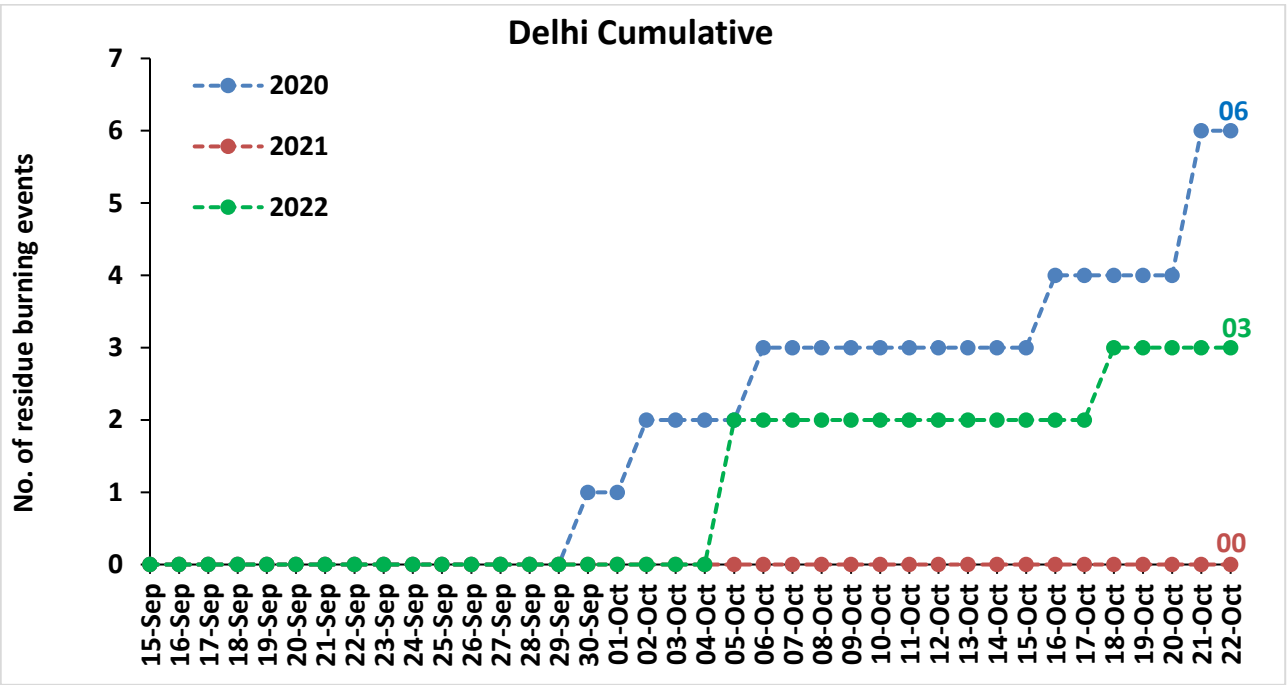
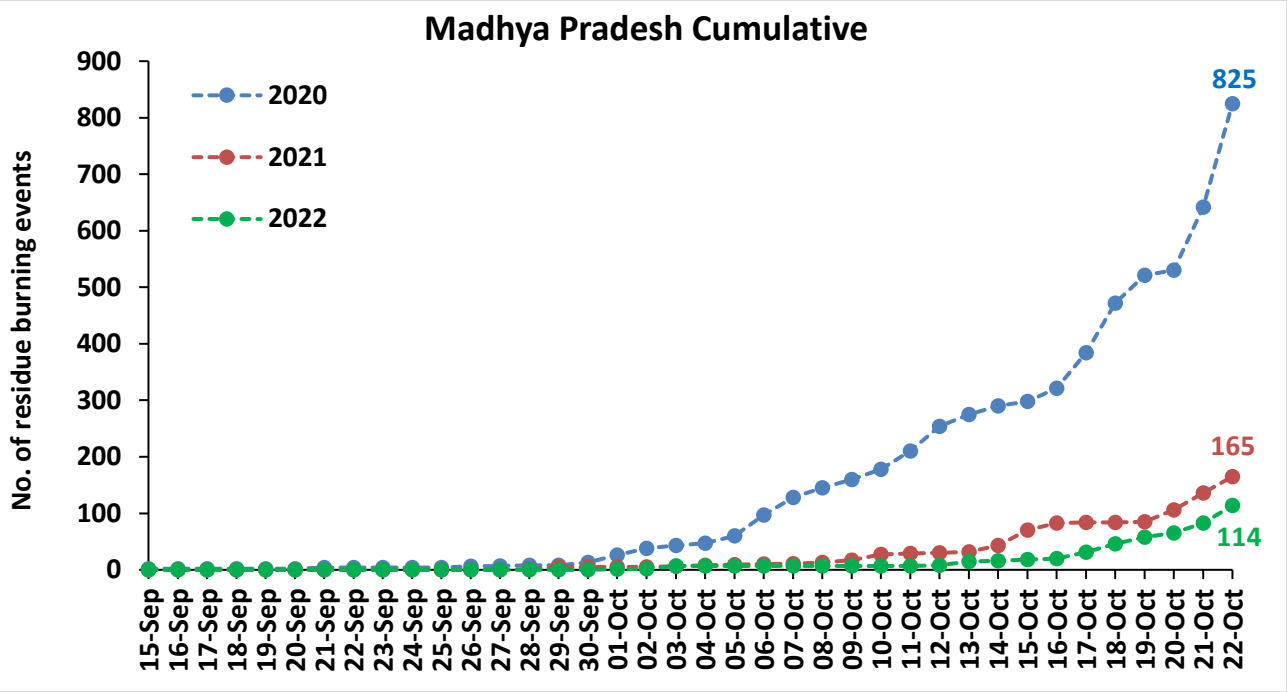




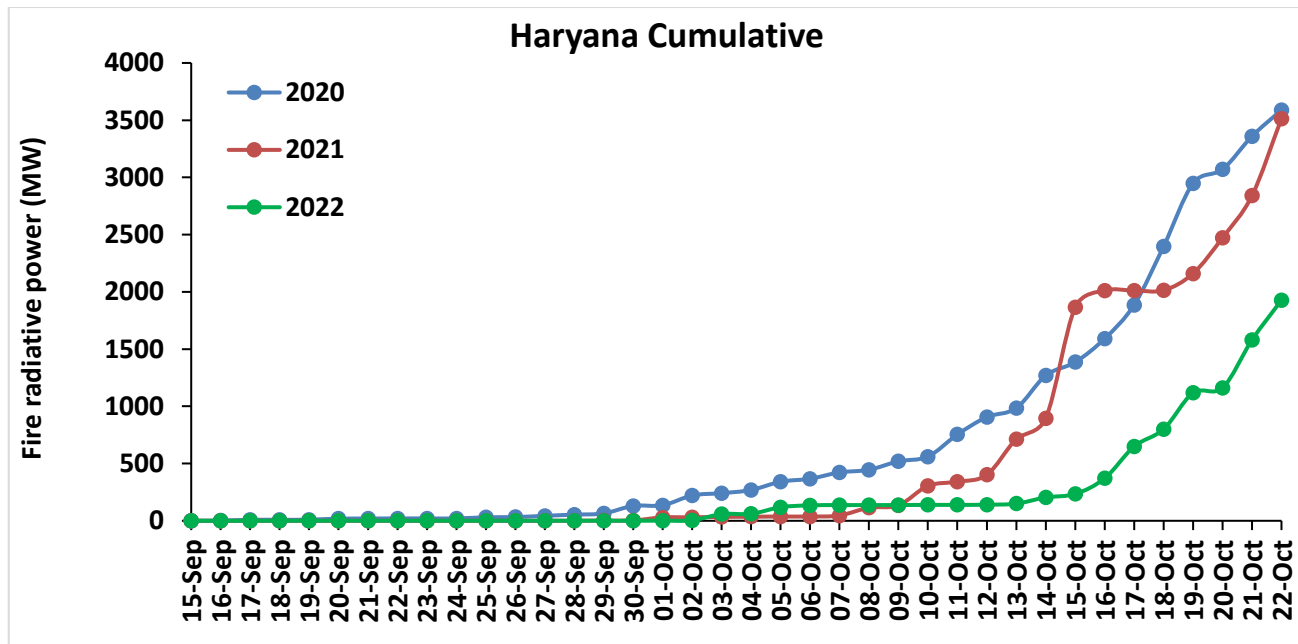
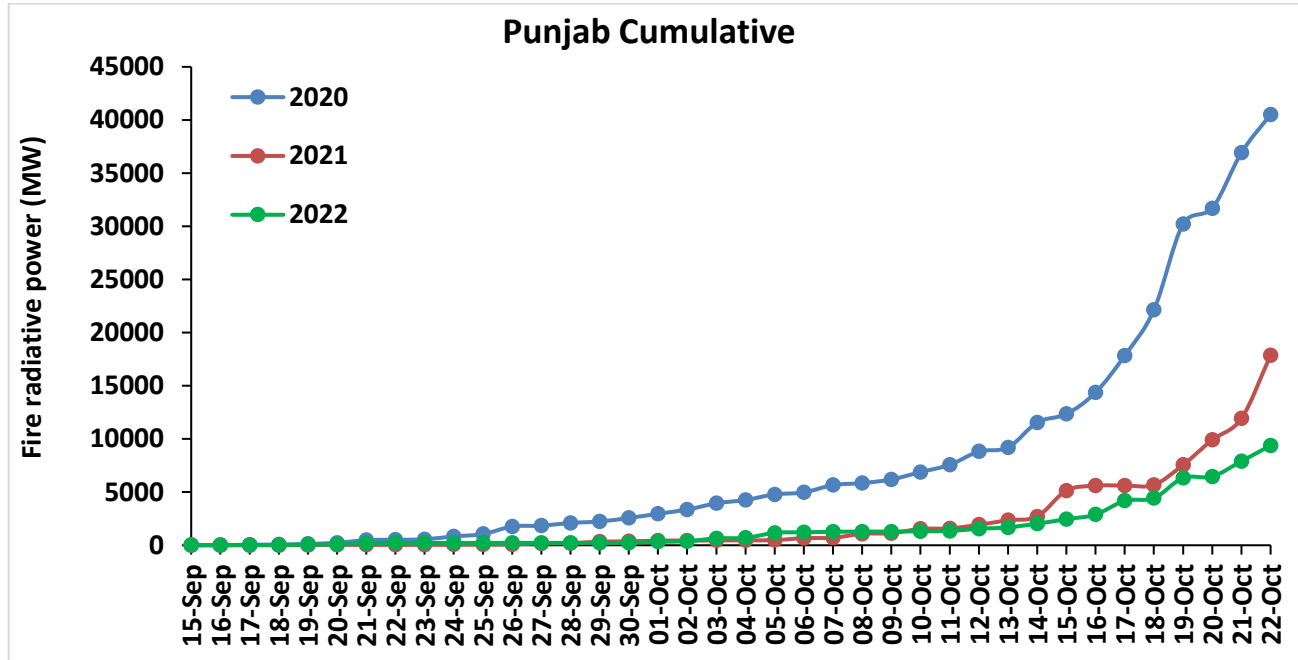
Comparison of residue burning events in current year (2022) with previous years (2020 and 2021) for the study States

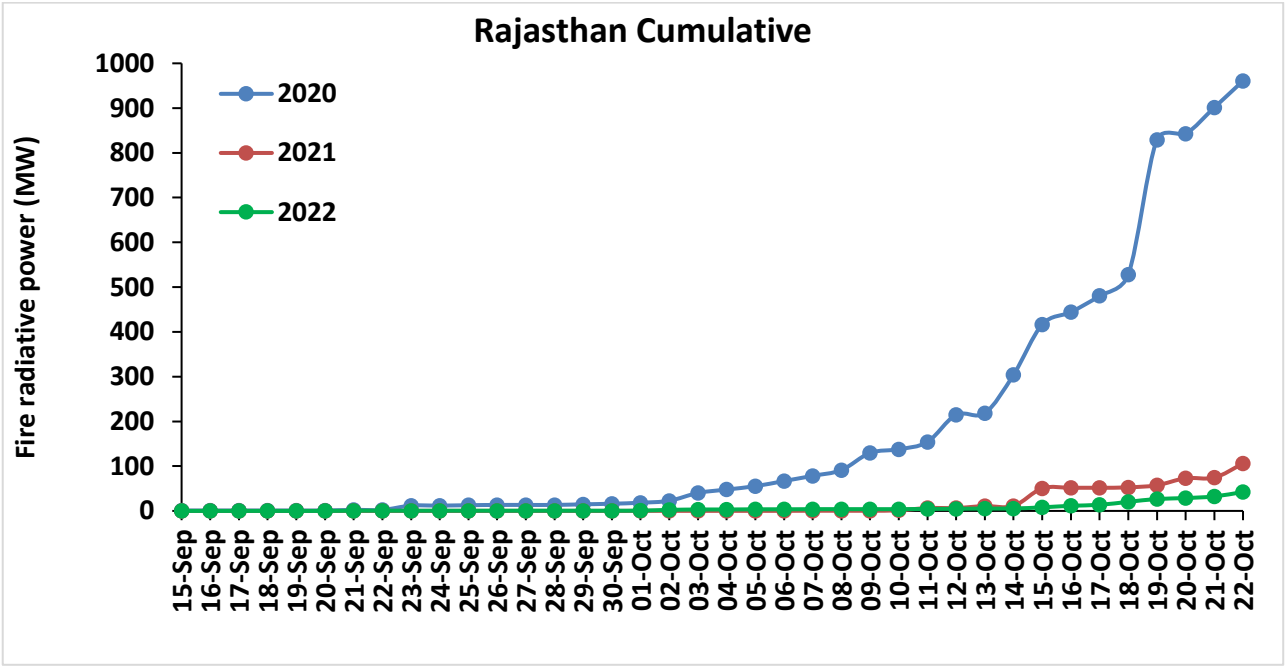
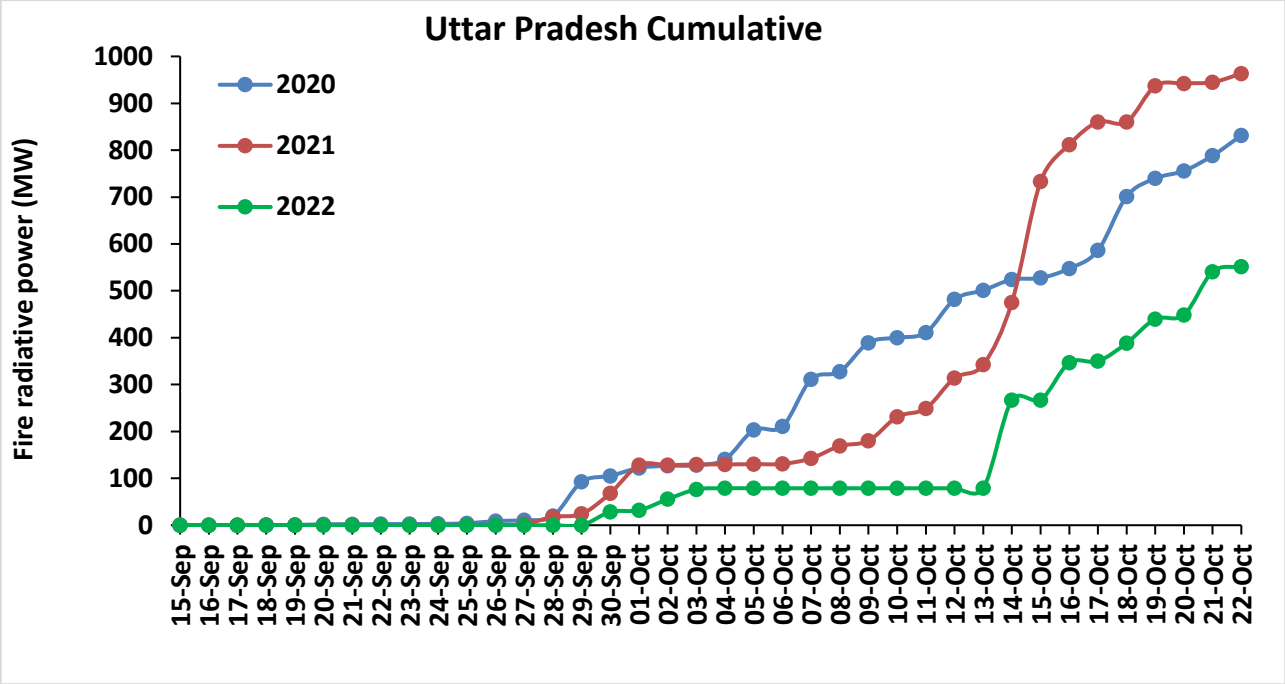


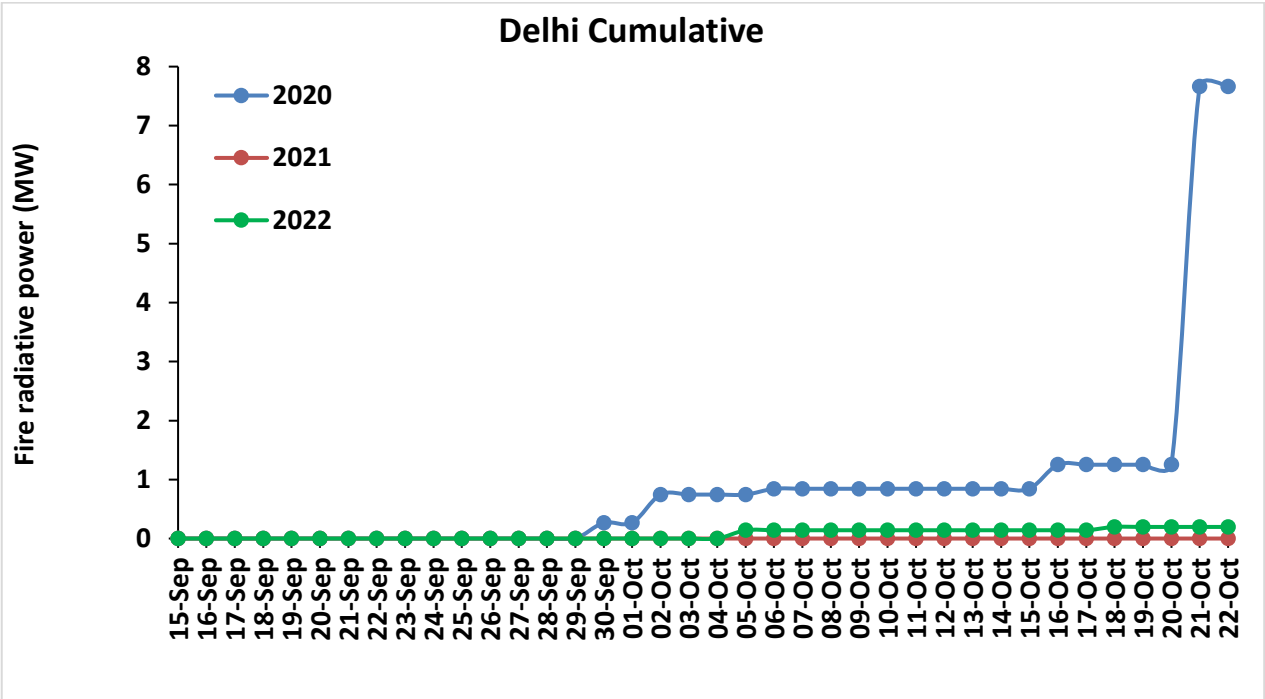
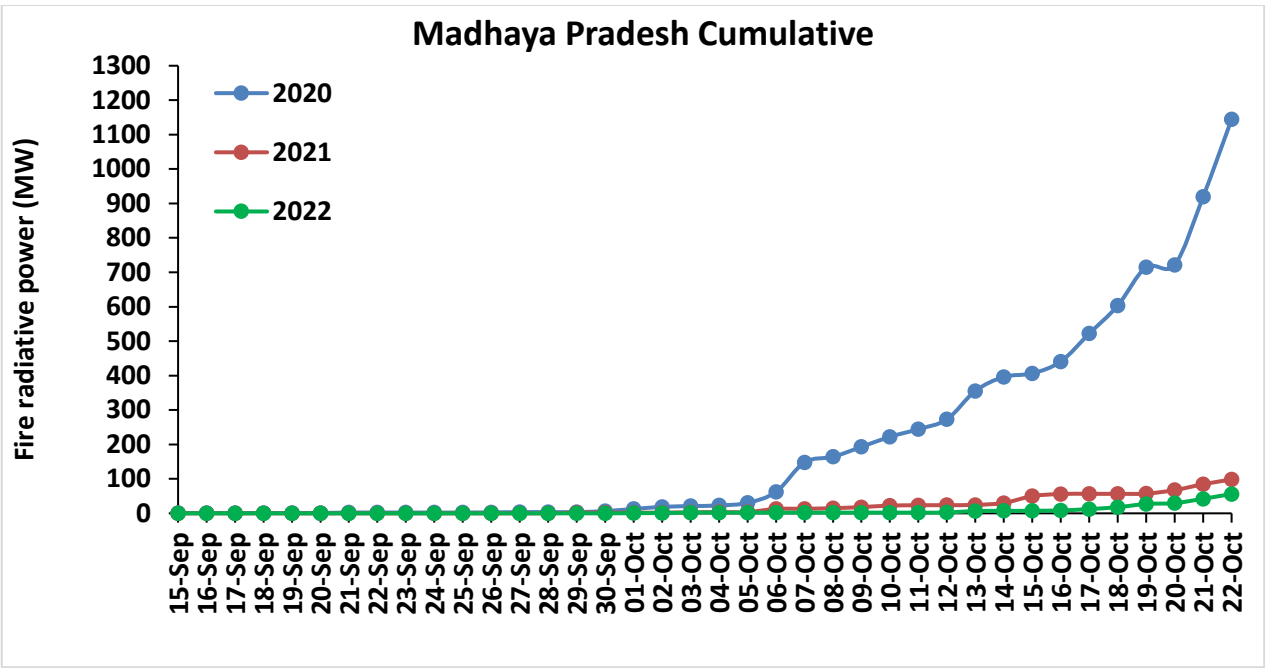




Comparison of residue burning fire power in current year (2022) with previous years (2021 and 2020) for the study States

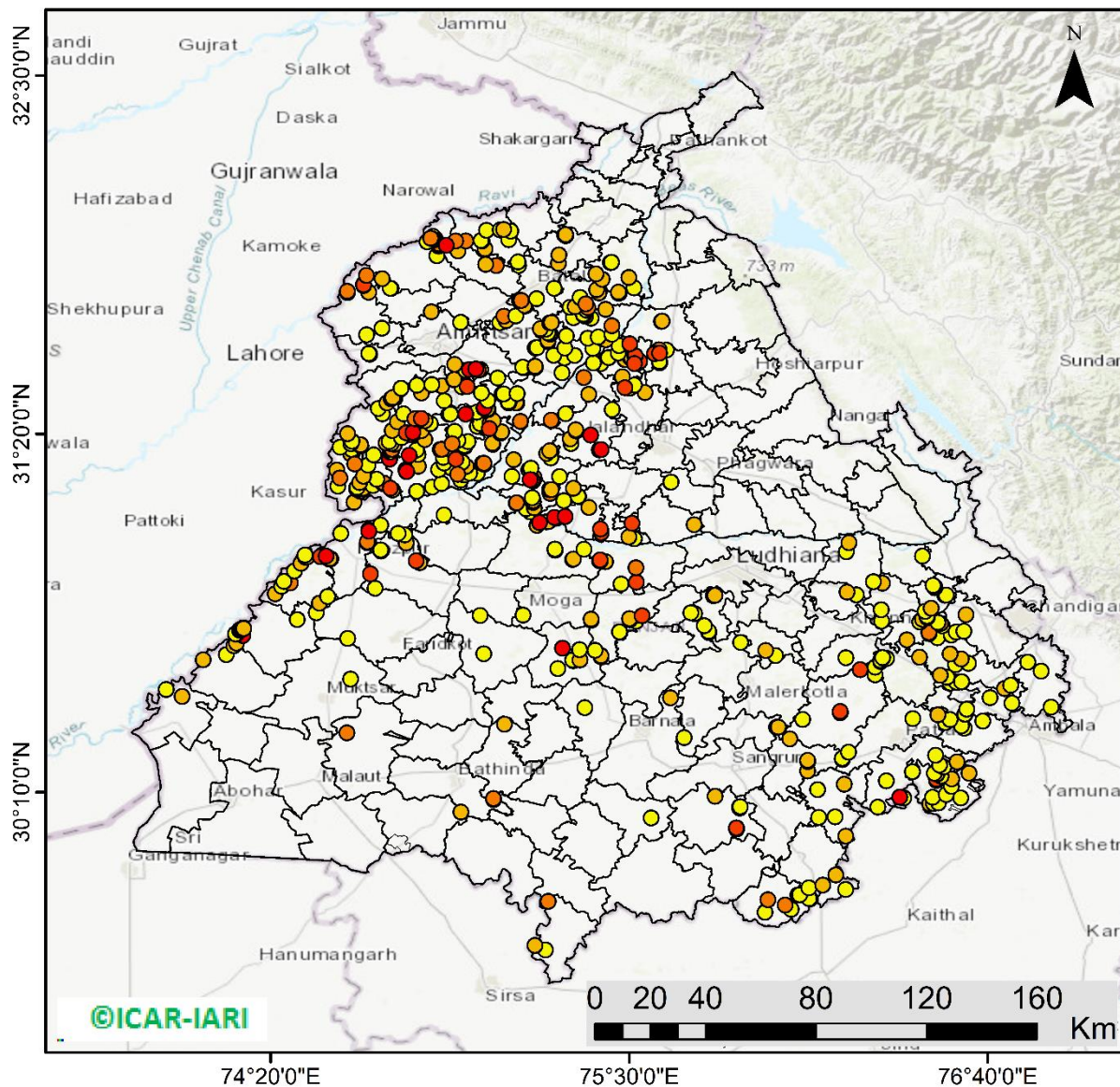






Punjab

RICE RESIDUE BURNING IN PUNJAB



582 burning events detected in Punjab during (22nd Oct 2022)

Fire Intensity (W/m²)

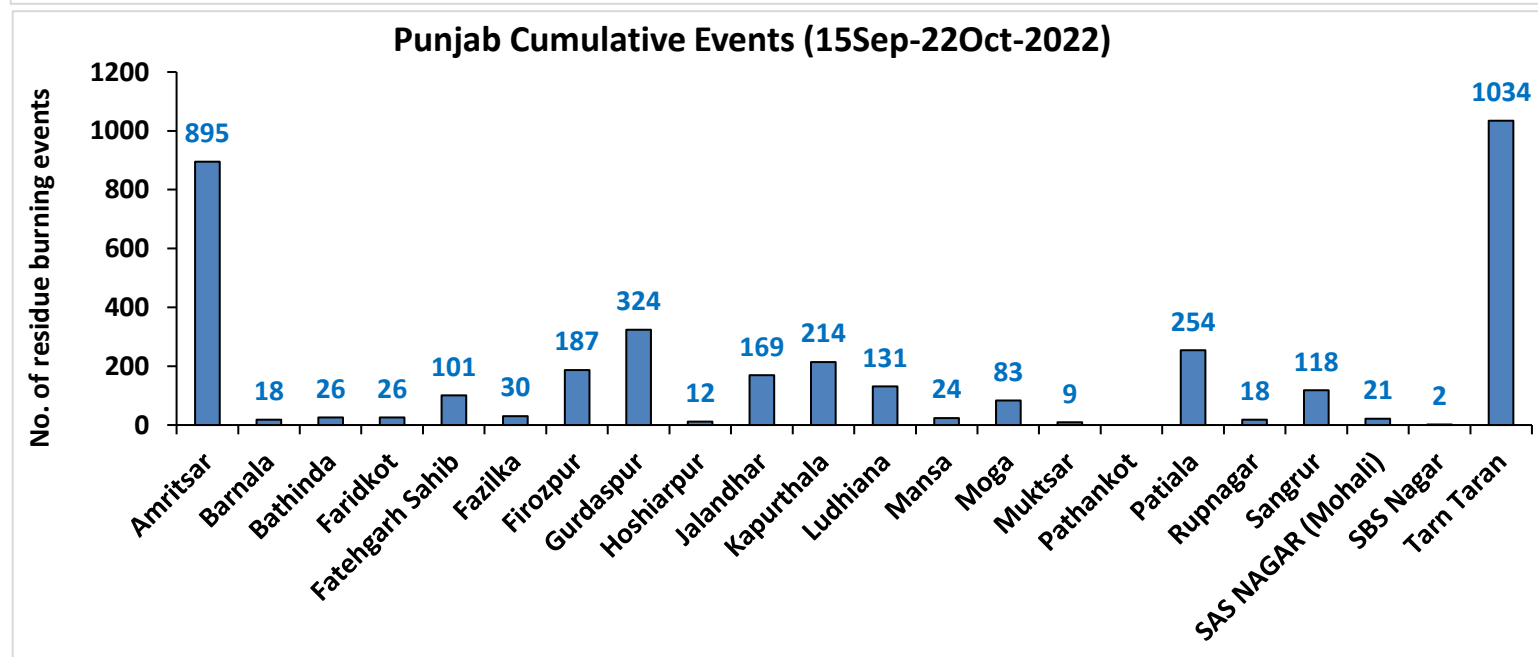
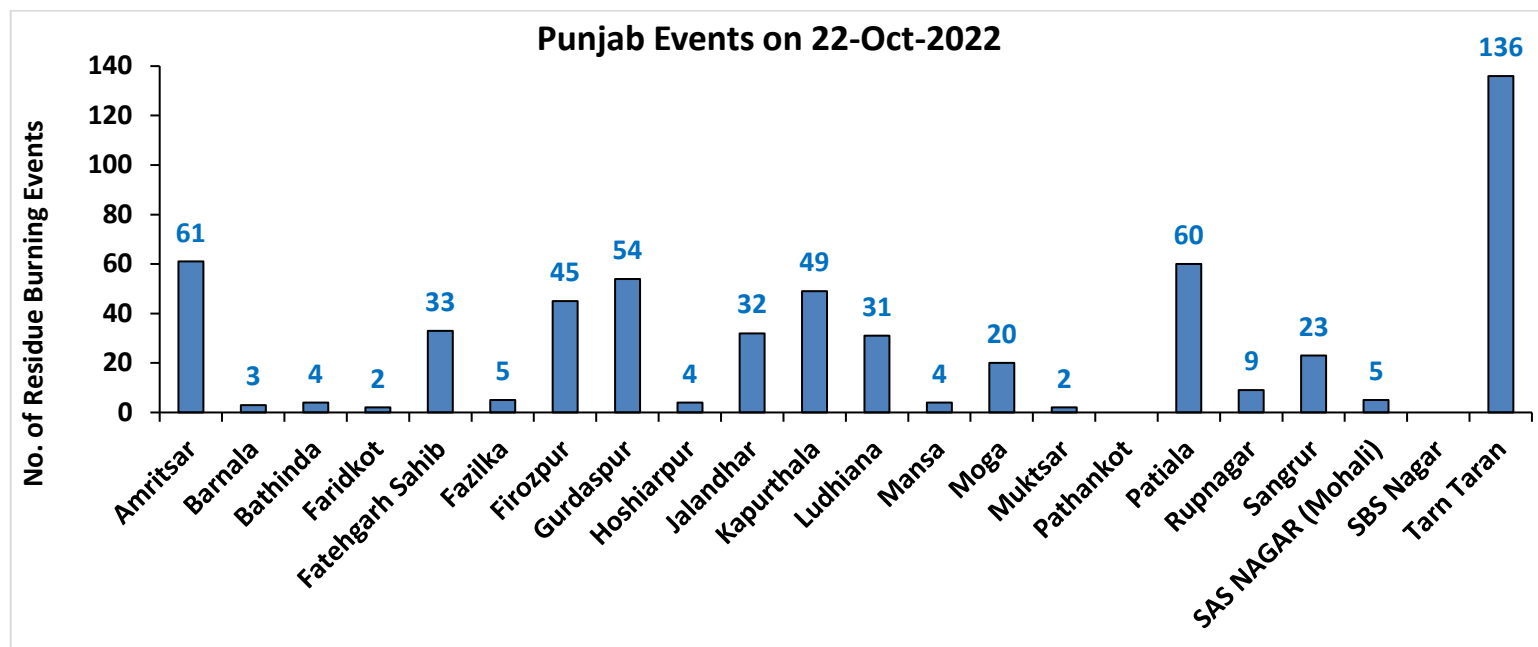
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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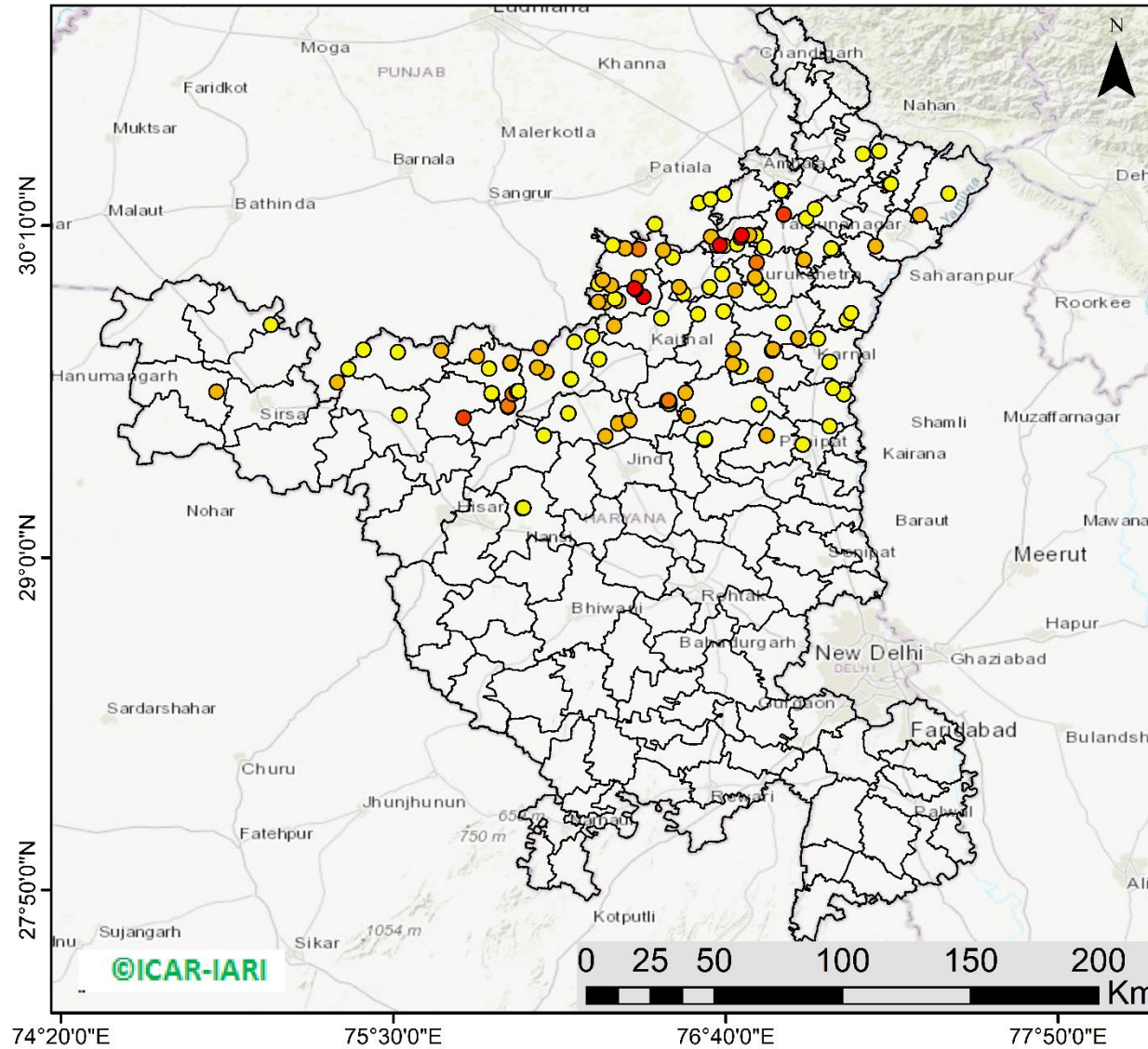
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep- 22Oct-2022)



Haryana

RICE RESIDUE BURNING IN HARYANA



122 burning events detected in Haryana on (22nd Oct 2022)

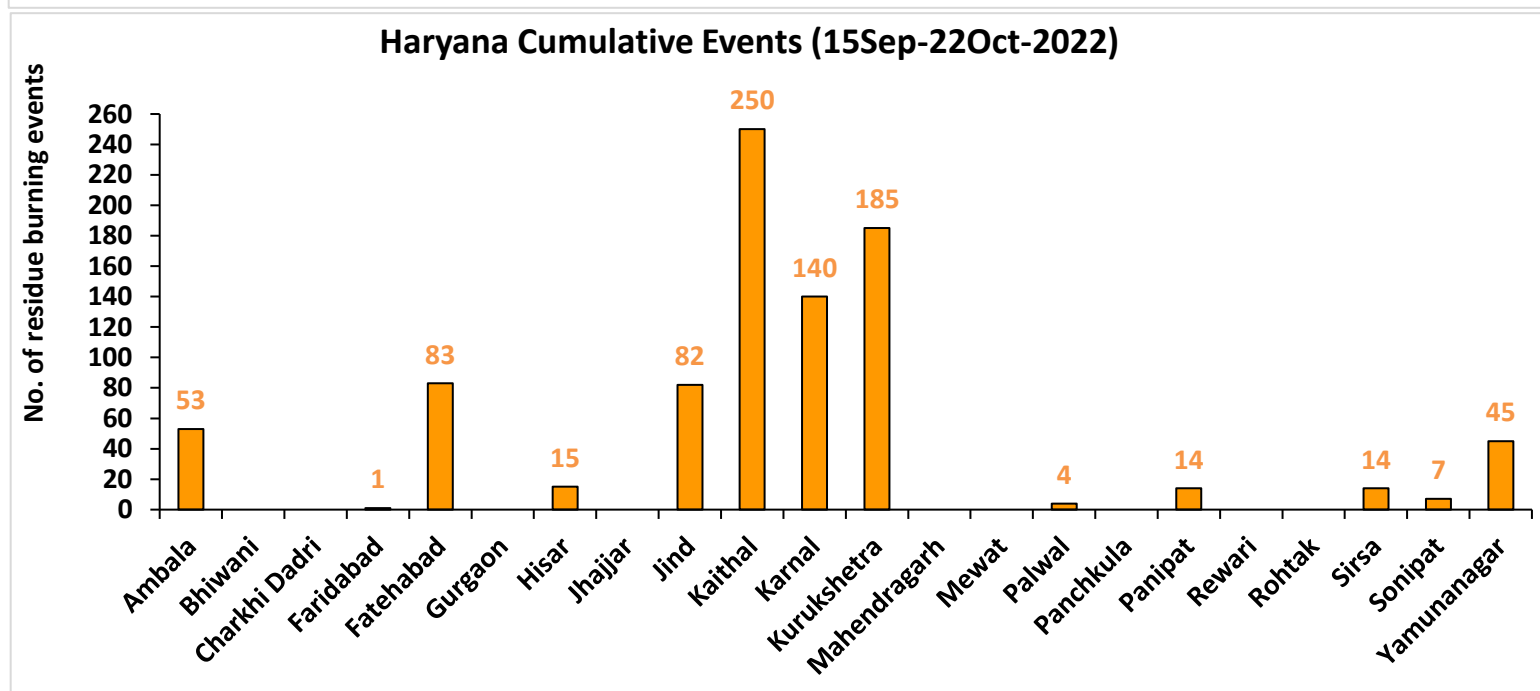
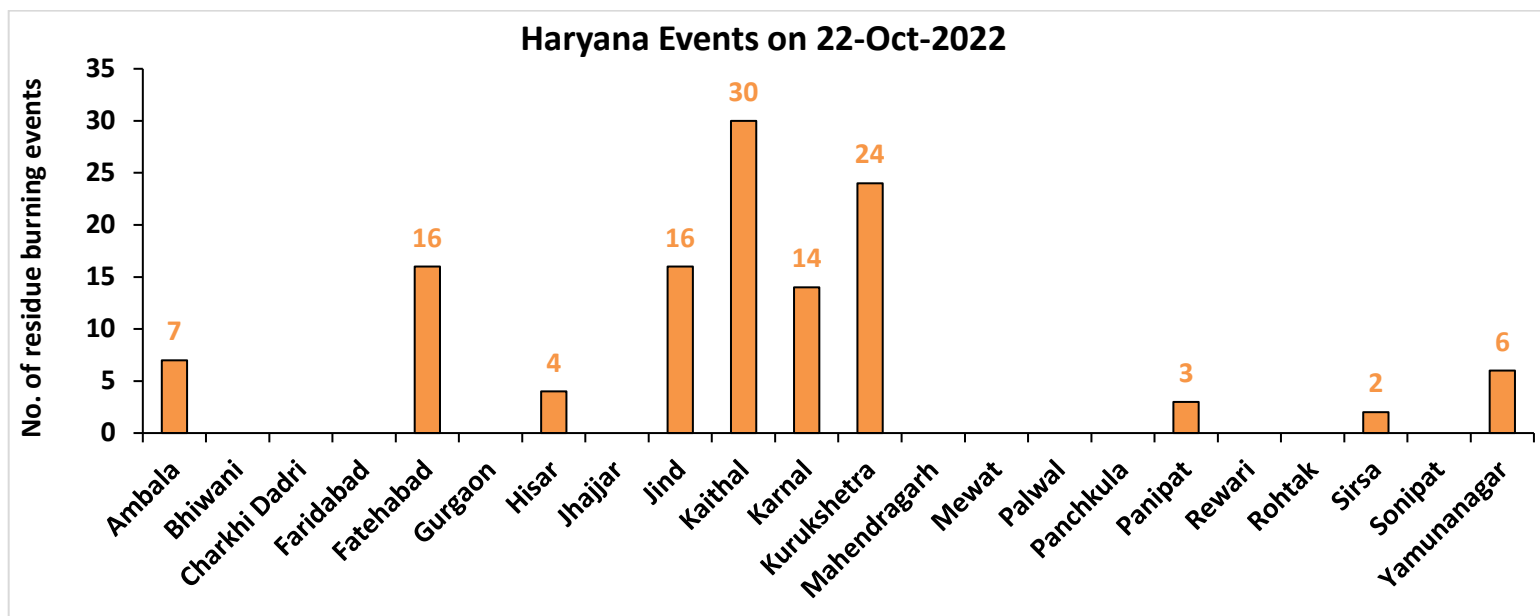
Fire Intensity (W/m²)

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



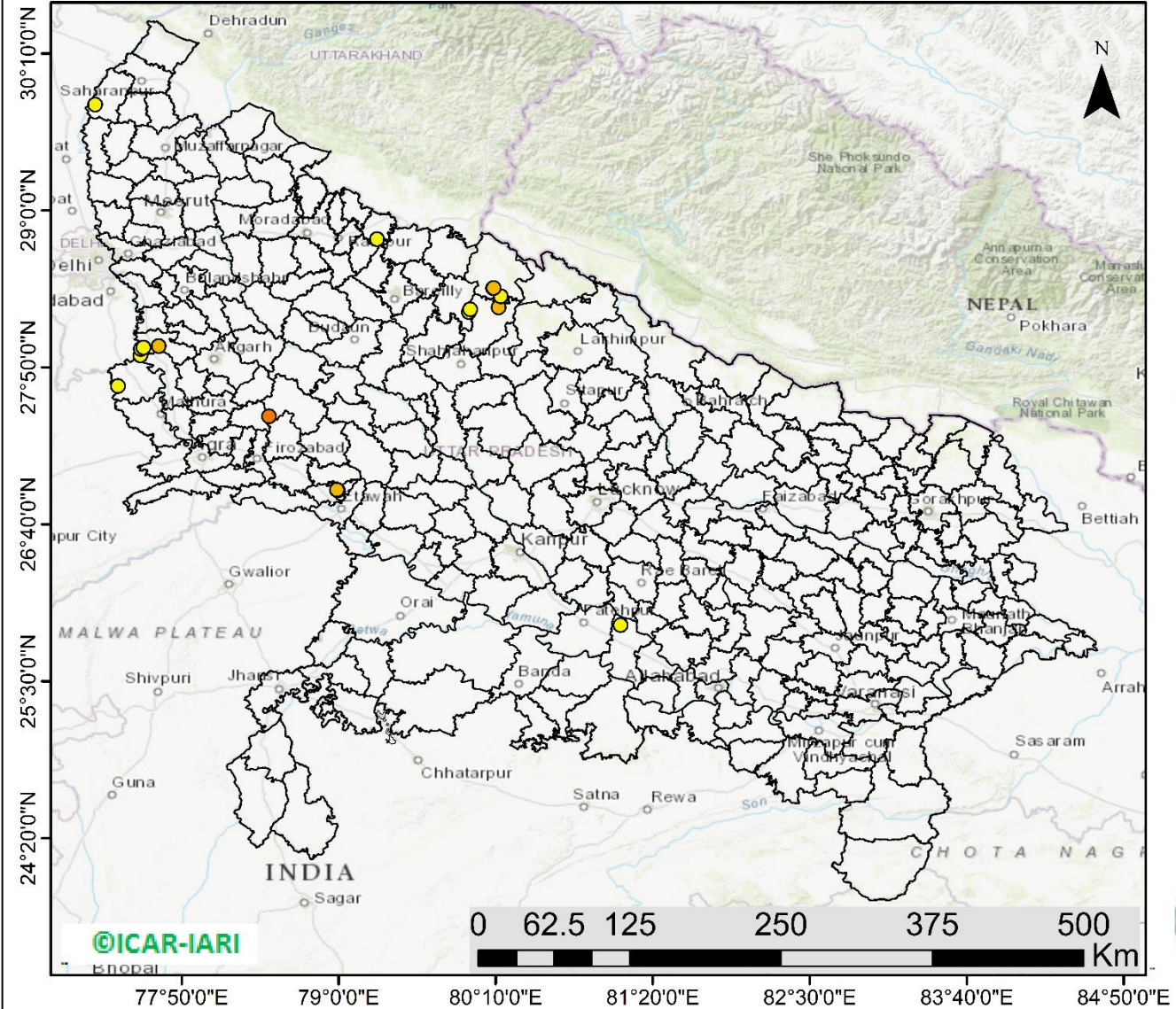
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District-wise cumulative number of residues burning events in Haryana (15Sep- 22Oct-2022)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



18 burning events detected in Uttar Pradesh on (22nd Oct 2022)

Fire Intensity (W/m2)

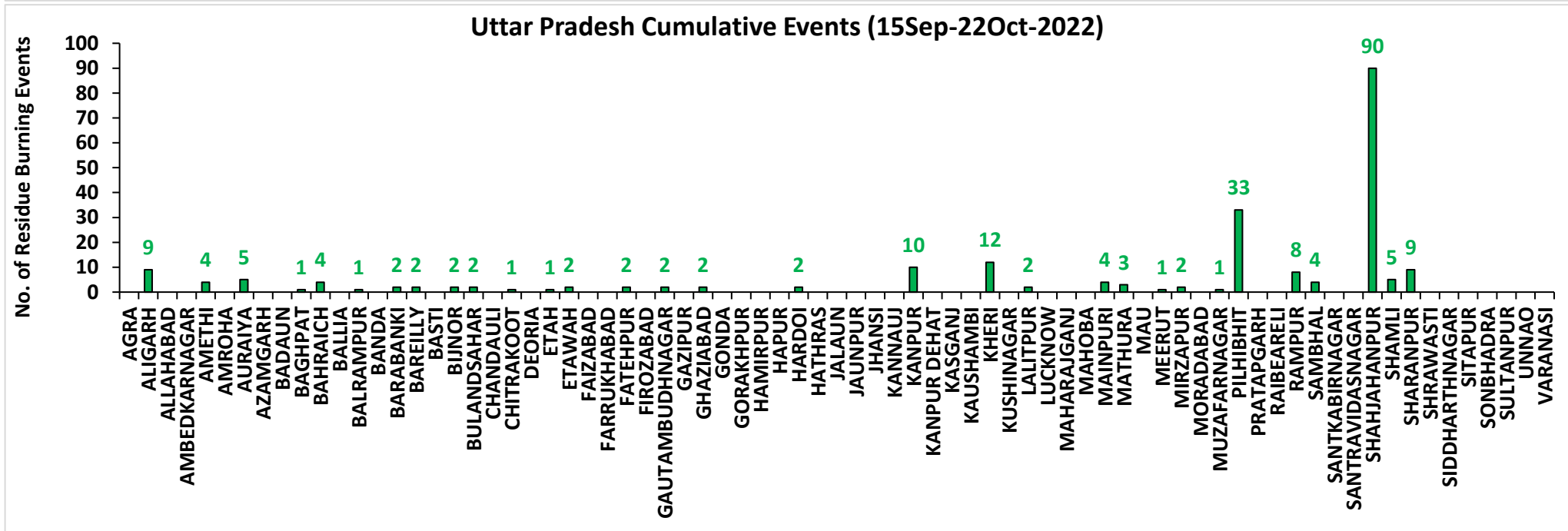
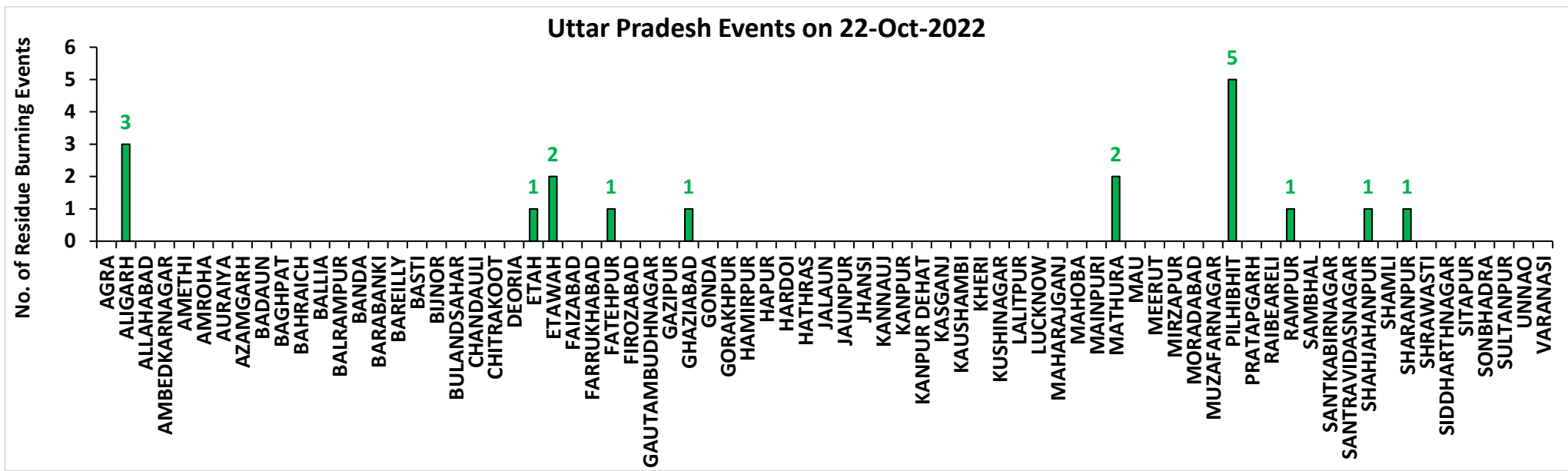
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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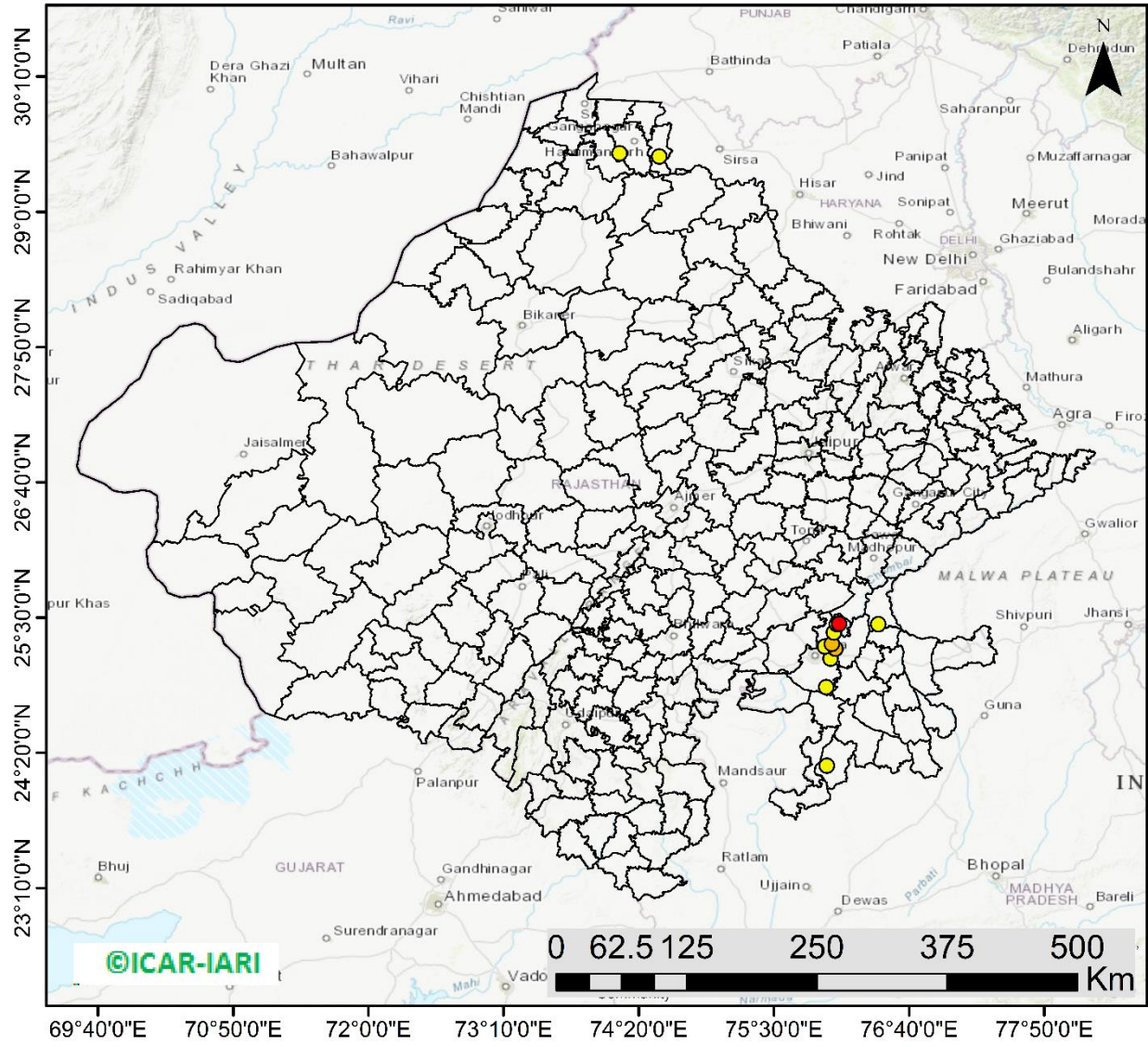
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep- 22Oct -2022)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



12 burning events detected in Rajasthan on (22nd Oct 2022)

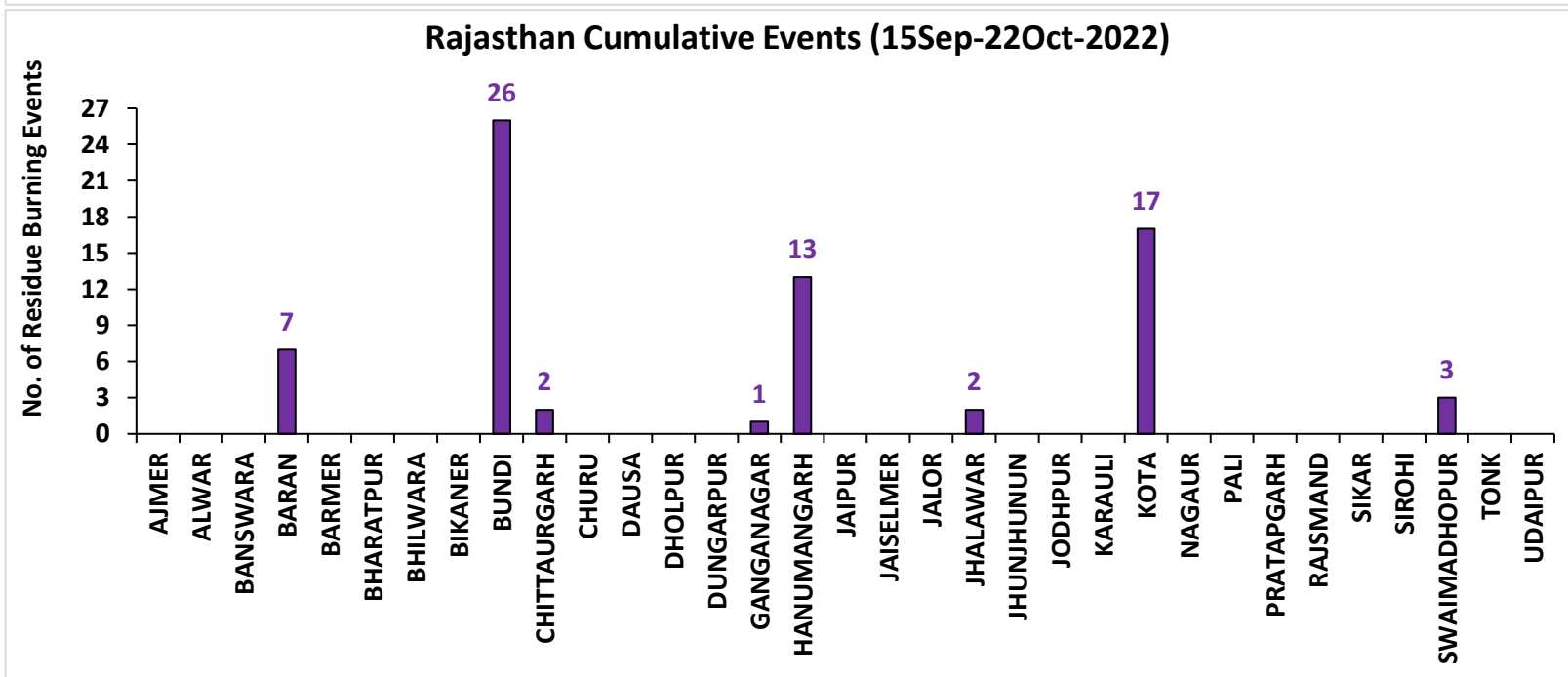
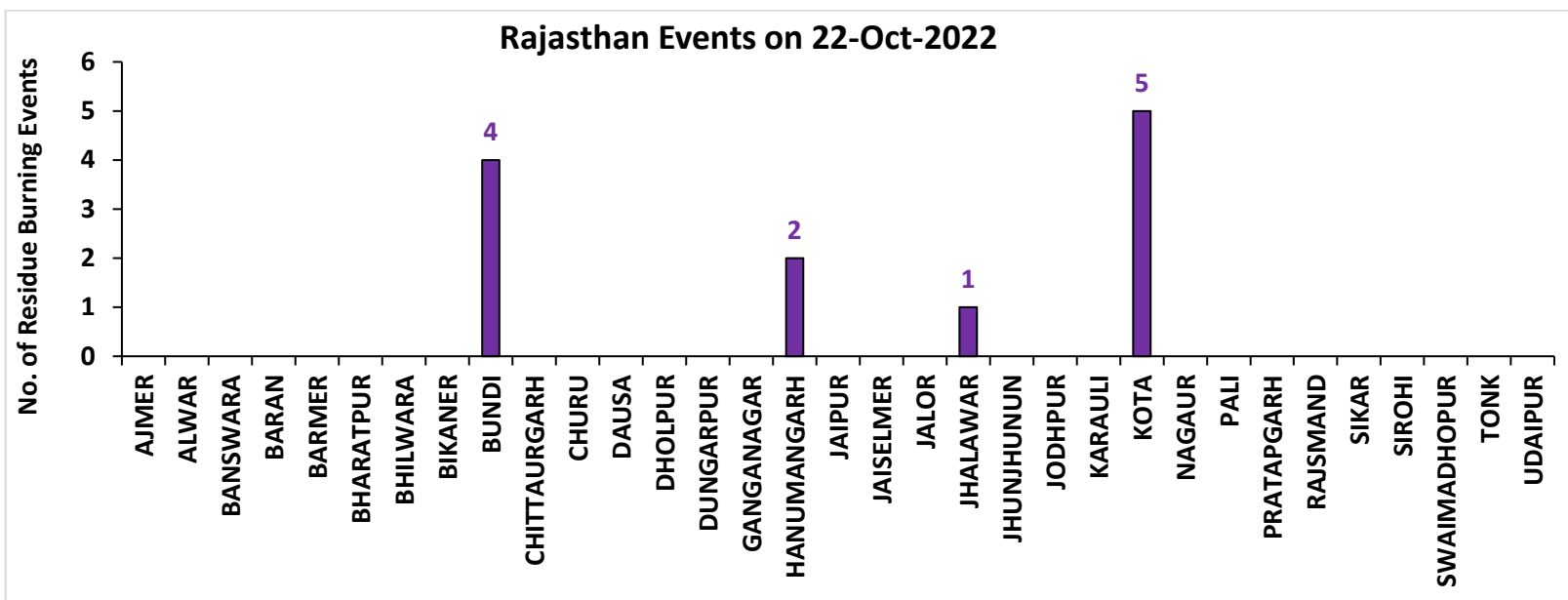
Fire Intensity (W/m²)

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



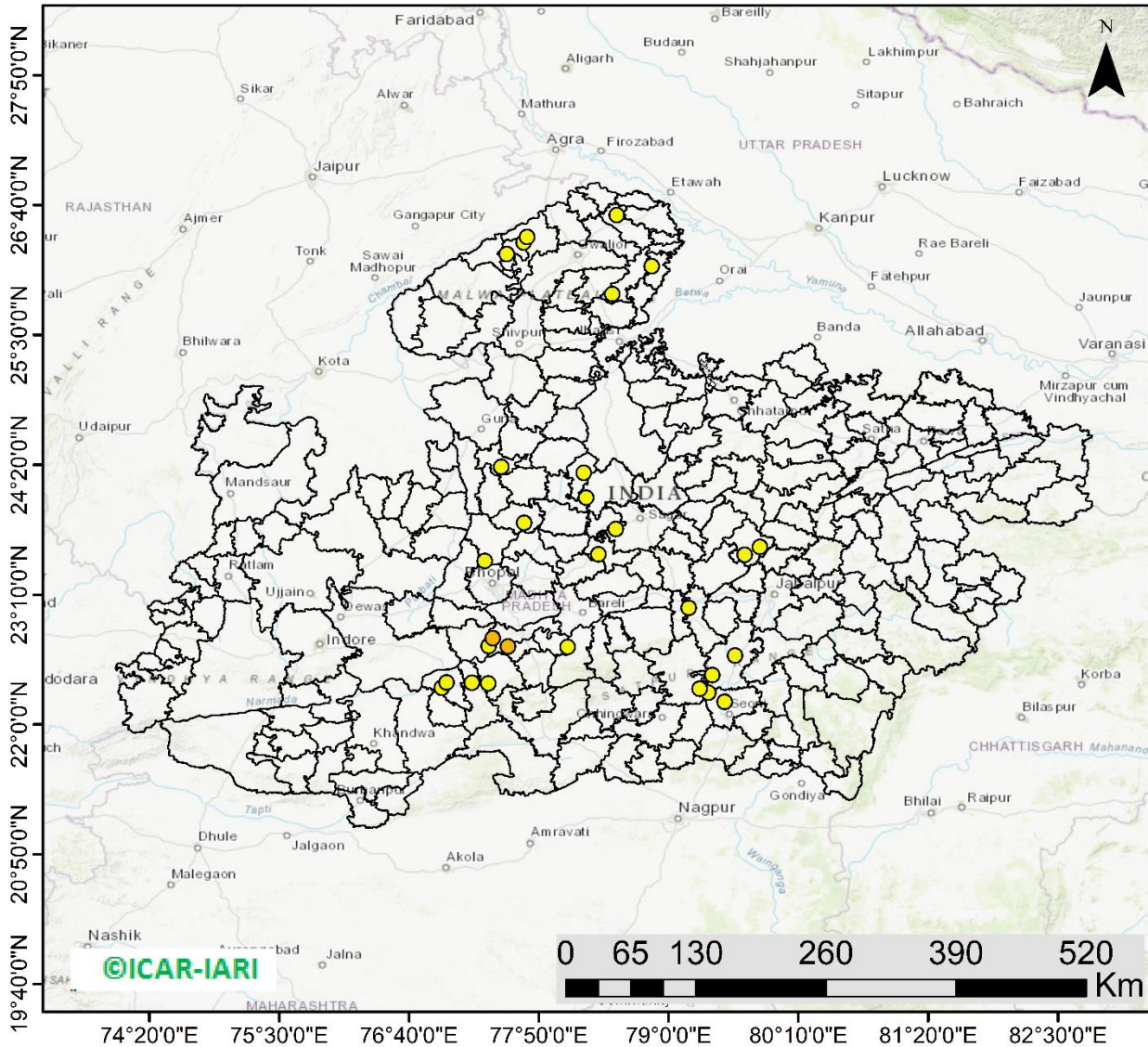
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15Sep- 22Oct -2022)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



31 burning events detected in MP on (22nd Oct 2022)

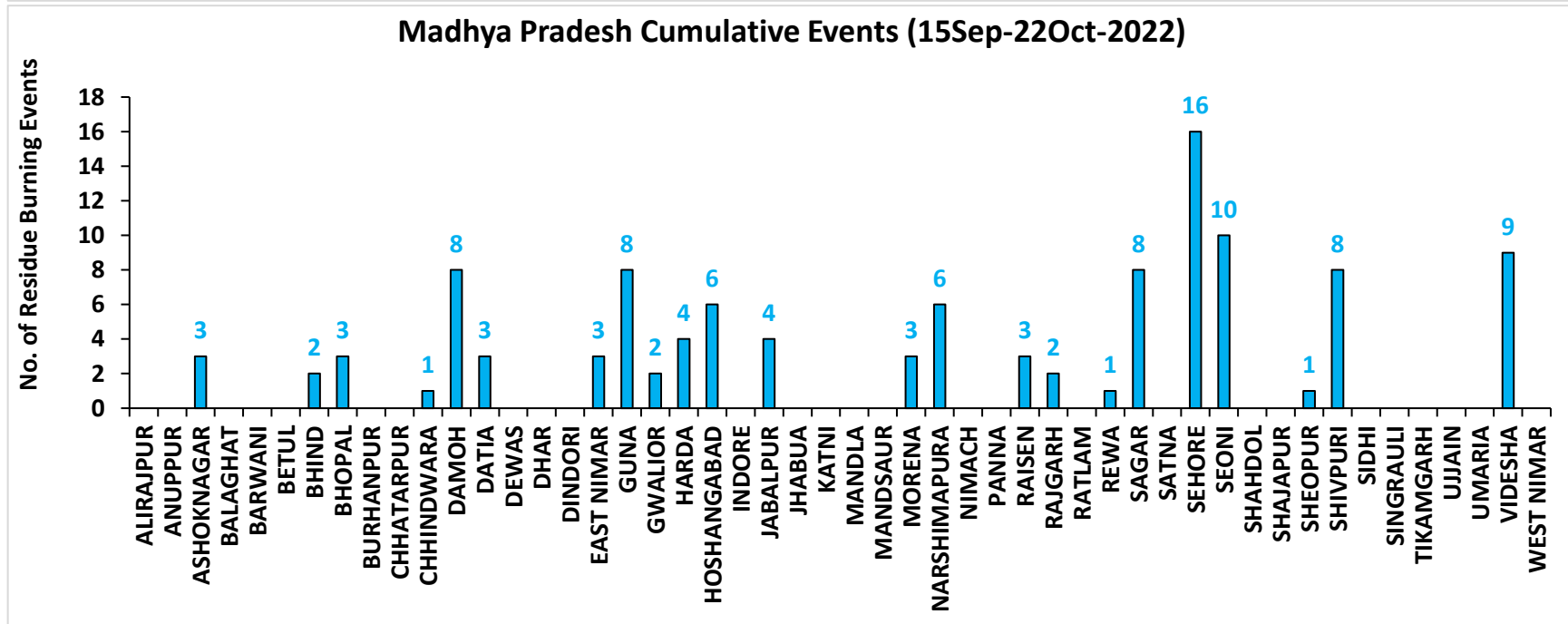
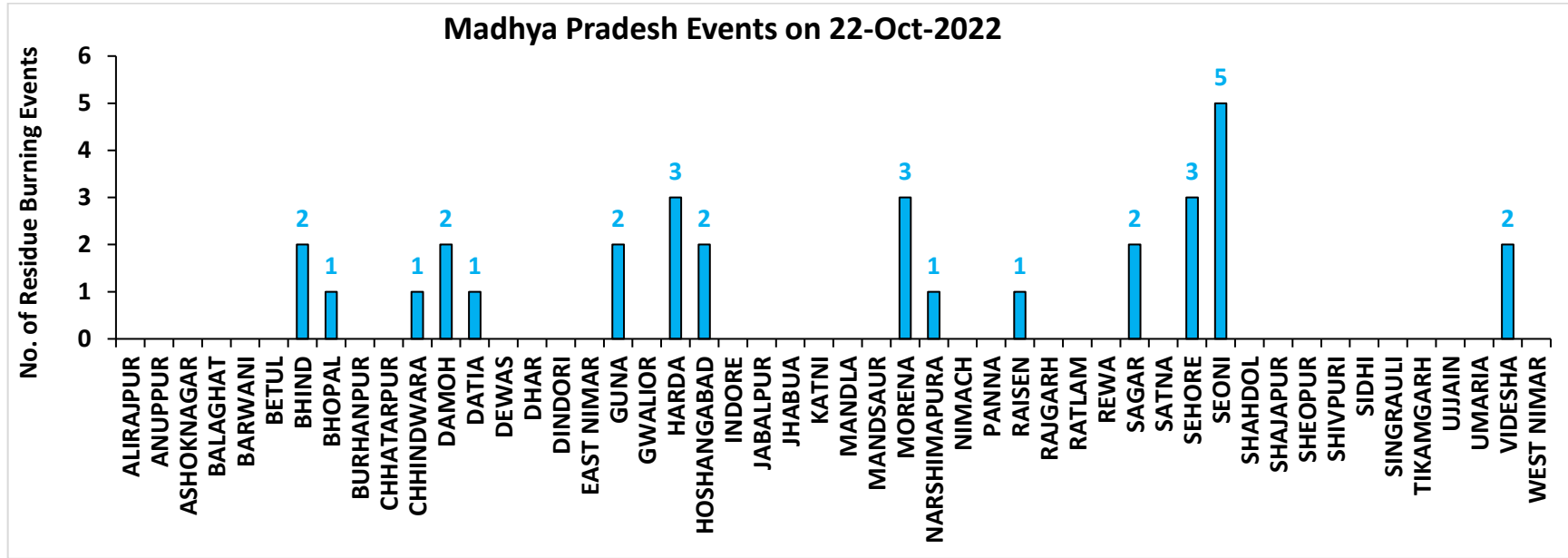
Fire Intensity (W/m²)

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



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

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep- 22Oct -2022)



District-wise cumulative number of residues burning events detected in 2020 ,2021 and 2022
(Period: 15 September-22 October)

(a) Punjab

District	15 Sep-22 Oct 2022		
	2020	2021	2022
Amritsar	2268	923	895
Barnala	41	42	18
Bathinda	156	59	26
Faridkot	633	255	26
Fatehgarh Sahib	336	215	101
Fazilka	195	75	30
Firozpur	1570	363	187
Gurdaspur	1012	379	324
Hoshiarpur	146	49	12
Jalandhar	294	242	169
Kapurthala	618	292	214
Ludhiana	292	341	131
Mansa	113	24	24
Moga	212	119	83
Muktsar	187	76	9
Pathankot	7	0	0
Patiala	1037	420	254
Rupnagar	53	35	18
Sangrur	304	110	118
SAS NAGAR (Mohali)	63	47	21
SBS Nagar	18	24	2
Tarn Taran	2901	1348	1034
Total	12456	5438	3696

(b) Haryana

District	15 Sep-22 Oct 2022		
	2020	2021	2022
AMBALA	165	66	53
BHIWANI	0	0	0
CHARKHI DADRI	0	0	0
FARIDABAD	1	1	1
FATEHABAD	82	93	83
GURGAON	0	0	0
HISAR	10	4	15
JHAJJAR	1	0	0
JIND	46	59	82
KAITHAL	294	421	250
KARNAL	390	493	140
KURUKSHETRA	310	250	185
MAHENDRAGARH	0	0	0
MEWAT	0	0	0
PALWAL	23	25	4
PANCHKULA	0	0	0
PANIPAT	11	19	14
REWARI	0	0	0
ROHTAK	1	0	0
SIRSA	25	16	14
SONIPAT	15	7	7
YAMUNANAGAR	80	54	45
Total	1454	1508	893

(c) Uttar Pradesh

District	15 Sep-22 Oct 2022										
	2020	2021	2022	GAUTAMBUDHNAGAR	3	7	2	MUZAFARNAGAR	3	2	1
AGRA	2	0	0	GAZIPUR	0	0	0	PILHIBHIT	8	108	33
ALIGARH	42	21	9	GHAZIABAD	3	2	2	PRATAPGARH	1	0	0
ALLAHABAD	0	1	0	GONDA	0	0	0	RAIBEARELI	1	0	0
AMBEDKARNAGAR	0	0	0	GORAKHPUR	1	0	0	RAMPUR	43	50	8
AMETHI	0	1	4	HAMIRPUR	1	0	0	SAMBHAL	7	7	4
AMROHA	1	0	0	HAPUR	4	1	0	SANTKABIRNAGAR	0	0	0
AURAIYA	19	6	5	HARDOI	14	6	2	SANTRAVIDASNAGAR	0	0	0
AZAMGARH	0	0	0	HATHRAS	0	0	0	SHAHJAHANPUR	47	181	90
BADAUN	1	6	0	JALAUN	0	0	0	SHAMLI	20	12	5
BAGHPAT	3	1	1	JAUNPUR	0	0	0	SHARANPUR	40	20	9
BAHRAICH	9	2	4	JHANSI	17	6	0	SHRAWASTI	7	0	0
BALLIA	0	0	0	KANNAUJ	3	1	0	SIDDHARTHANAGAR	0	0	0
BALRAMPUR	1	1	1	KANPUR	4	7	10	SITAPUR	15	9	0
BANDA	0	0	0	KANPUR DEHAT	11	1	0	SONBHADRA	0	0	0
BARABANKI	15	20	2	KASGANJ	2	2	0	SULTANPUR	0	0	0
BAREILLY	21	15	2	KAUSHAMBI	9	3	0	UNNAO	6	1	0
BASTI	3	1	0	KHERI	47	54	12	VARANASI	1	0	0
BIJNOR	6	4	2	KUSHINAGAR	0	0	0	Total	586	634	228
BULANDSAHAR	16	2	2	LALITPUR	0	1	2				
CHANDAULI	0	0	0	LUCKNOW	2	0	0				
CHITRAKOOT	0	1	1	MAHARAJGANJ	0	0	0				
DEORIA	0	0	0	MAHOBA	6	0	0				
ETAH	11	6	1	MAINPURI	11	7	4				
ETAWAH	6	7	2	MATHURA	36	29	3				
FAIZABAD	1	0	0	MAU	0	0	0				
FARRUKHABAD	0	0	0	MEERUT	12	4	1				
FATEHPUR	21	6	2	MIRZAPUR	6	5	2				
FIROZABAD	11	4	0	MORADABAD	6	3	0				

(d) Delhi

District	15 Sep-22 Oct 2022		
	2020	2021	2022
CENTRAL	0	0	0
EAST	0	0	0
NEW DELHI	0	0	0
NORTH	2	0	3
NORTH EAST	0	0	0
NORTH WEST DELHI	3	0	0
SHAHADRA	0	0	0
SOUTH	1	0	0
SOUTH EAST	0	0	0
SOUTH WEST DELHI	0	0	0
WEST DELHI	0	0	0
Total	6	0	3

(e) Rajasthan

District	15 Sep-22 Oct 2022		
	2020	2021	2022
AJMER	2	0	0
ALWAR	1	0	0
BANSWARA	0	0	0
BARAN	97	0	7
BARMER	2	0	0
BHARATPUR	2	0	0
BHILWARA	3	0	0
BIKANER	1	0	0
BUNDI	21	1	26
CHITTAURGARH	0	2	2
CHURU	0	0	0
DAUSA	0	0	0
DHOLPUR	0	0	0
DUNGARPUR	0	0	0
GANGANAGAR	3	0	1
HANUMANGARH	198	41	13
JAIPUR	2	0	0
JAISELMER	2	0	0
JALOR	0	0	0
JHALAWAR	1	0	2
JHUNJHUNUN	1	0	0
JODHPUR	1	0	0
KARAULI	1	0	0
KOTA	34	1	17
NAGOUR	0	0	0
PALI	2	0	0
PRATAPGARH	4	0	0
RAJSMAND	0	0	0
SIKAR	0	0	0
SIROHI	1	0	0
SWAIMADHOPUR	10	0	3
TONK	2	0	0
UDAIPUR	0	0	0
Total	391	45	71

(f) Madhya Pradesh

District	15 Sep-22 Oct 2022						
	2020	2021	2022	PANNA	5	1	0
ALIRAJPUR	0	0	0	RAISEN	51	2	3
ANUPPUR	0	0	0	RAJGARH	7	1	3
ASHOKNAGAR	26	1	3	RATLAM	0	0	0
BALAGHAT	0	0	0	REWA	6	0	1
BARWANI	0	0	0	SAGAR	17	13	8
BETUL	4	1	0	SATNA	24	8	0
BHIND	11	1	2	SEHORE	14	3	16
BHOPAL	10	5	3	SEONI	56	42	10
BURHANPUR	0	0	0	SHAHDOL	0	0	0
CHHATARPUR	4	0	0	SHAJAPUR	5	0	0
CHHINDWARA	9	9	1	SHEOPUR	28	0	1
DAMOH	26	10	8	SHIVPURI	12	0	8
DATIA	103	8	3	SIDHI	0	0	0
DEWAS	3	0	0	SINGRAULI	0	0	0
DHAR	22	0	0	TIKAMGARH	1	0	0
DINDORI	0	0	0	UJJAIN	5	0	0
EAST NIMAR	3	1	3	UMARIA	0	0	0
GUNA	20	2	8	VIDESHA	71	9	9
GWALIOR	76	0	2	WEST NIMAR	13	0	0
HARDA	10	12	4	Total	825	165	114
HOSHANGABAD	115	16	6				
INDORE	2	0	0				
JABALPUR	18	6	3				
JHABUA	0	0	0				
KATNI	9	0	0				
MANDLA	2	1	0				
MANDSAUR	3	0	0				
MORENA	19	5	3				
NARSHIMAPURA	15	8	6				
NIMACH	0	0	0				

State-wise and date-wise number of paddy residue burning events detected in 2020, 2021 and 2022
(Period: 15 September - 22 October 2022)

Number of Paddy Residue Burning Events Detected

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

09-Oct	121	114	3	20	39	1	15	20	0	0	0	0	12	0	0	15	4	0
10-Oct	232	150	4	33	95	2	9	54	0	0	0	0	14	1	0	18	10	0
11-Oct	377	64	45	90	51	0	23	28	0	0	0	0	21	7	1	32	2	0
12-Oct	388	97	104	69	51	4	46	23	0	0	0	0	24	1	2	44	1	1
13-Oct	266	132	120	47	91	15	36	42	0	0	0	0	7	5	2	21	2	7
14-Oct	605	229	82	69	98	30	9	68	11	0	0	0	16	1	1	15	11	1
15-Oct	449	660	169	106	363	36	15	149	0	0	0	0	9	8	2	8	27	2
16-Oct	654	429	206	80	176	76	21	121	6	1	0	0	12	2	4	23	13	2
17-Oct	1172	14	403	143	0	86	38	39	7	0	0	0	26	0	4	63	1	11
18-Oct	938	57	342	166	1	134	76	0	30	0	0	1	37	2	12	88	0	15
19-Oct	1080	496	436	72	55	122	43	5	36	0	0	0	27	5	12	49	1	12
20-Oct	890	788	96	62	155	78	31	1	17	0	0	0	26	4	4	9	21	7
21-Oct	597	393	101	131	107	25	5	23	2	0	0	32	2	6	112	30	18	597
22-Oct	1665	1111	582	128	140	122	32	3	18	0	0	0	29	5	12	183	29	31
Total	12456	5438	3696	1454	1508	893	586	634	228	6	0	3	391	45	71	825	165	114

Details of residue burning events in Punjab on 22-Oct-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.80670	74.72530	13:48:08	D	10.10
2	AMRITSAR	AJNALA	S-NPP	31.91280	74.87420	13:48:08	D	2.50
3	AMRITSAR	AJNALA	S-NPP	31.94430	74.88020	13:48:08	D	7.50
4	AMRITSAR	AJNALA	S-NPP	31.94750	74.88260	13:48:08	D	10.90
5	AMRITSAR	AJNALA	S-NPP	31.95130	74.88200	13:48:08	D	10.90
6	AMRITSAR	AJNALA	S-NPP	31.95830	74.84250	13:48:08	D	3.90
7	AMRITSAR	AJNALA	S-NPP	31.96120	74.96880	13:48:08	D	11.60
8	AMRITSAR	AJNALA	S-NPP	31.96130	74.93550	13:48:08	D	10.40
9	AMRITSAR	AJNALA	S-NPP	31.96520	74.86880	13:48:08	D	4.10
10	AMRITSAR	AJNALA	S-NPP	31.96900	74.86820	13:48:08	D	16.10
11	AMRITSAR	AJNALA	S-NPP	31.97590	74.86160	13:48:08	D	2.50
12	AMRITSAR	AJNALA	AQUA	31.94700	74.90500	14:14:09	D	24.00
13	AMRITSAR	AJNALA	AQUA	31.96800	74.86000	14:14:09	D	15.40
14	AMRITSAR	AJNALA	AQUA	31.97000	74.85400	14:14:09	D	13.40
15	AMRITSAR	ATTARI	S-NPP	31.59240	74.65590	13:48:08	D	6.40
16	AMRITSAR	ATTARI	S-NPP	31.59470	74.65270	13:48:08	D	3.60
17	AMRITSAR	CHOGAWAN	S-NPP	31.65570	74.64560	13:48:08	D	3.30
18	AMRITSAR	CHOGAWAN	S-NPP	31.67690	74.69540	13:48:08	D	4.00
19	AMRITSAR	CHOGAWAN	S-NPP	31.79340	74.58350	13:48:08	D	2.30
20	AMRITSAR	CHOGAWAN	S-NPP	31.79410	74.65240	13:48:08	D	7.90
21	AMRITSAR	CHOGAWAN	S-NPP	31.79710	74.58290	13:48:08	D	13.60
22	AMRITSAR	CHOGAWAN	S-NPP	31.81590	74.63590	13:48:08	D	5.60
23	AMRITSAR	CHOGAWAN	S-NPP	31.81960	74.63530	13:48:08	D	2.50
24	AMRITSAR	CHOGAWAN	S-NPP	31.83820	74.69640	13:48:08	D	7.80
25	AMRITSAR	CHOGAWAN	AQUA	31.81800	74.63600	14:14:09	D	16.80
26	AMRITSAR	CHOGAWAN	AQUA	31.84900	74.64500	14:14:09	D	13.60
27	AMRITSAR	HARSHA CHHINA	S-NPP	31.80690	74.72290	13:48:08	D	4.50
28	AMRITSAR	JANDIALA GURU	S-NPP	31.54020	74.96770	13:48:08	D	3.10
29	AMRITSAR	JANDIALA GURU	S-NPP	31.54140	75.01140	13:48:08	D	5.00
30	AMRITSAR	JANDIALA GURU	S-NPP	31.54200	75.01670	13:48:08	D	5.00

31	AMRITSAR	JANDIALA GURU	S-NPP	31.55920	74.93200	13:48:08	D	5.90
32	AMRITSAR	JANDIALA GURU	AQUA	31.54000	75.00900	14:14:09	D	16.60
33	AMRITSAR	JANDIALA GURU	AQUA	31.54200	74.98000	14:14:09	D	20.10
34	AMRITSAR	JANDIALA GURU	AQUA	31.54400	75.00100	14:14:09	D	38.30
35	AMRITSAR	MAJITHA	S-NPP	31.69520	75.07890	13:48:08	D	3.30
36	AMRITSAR	MAJITHA	S-NPP	31.71620	75.09230	13:48:08	D	14.20
37	AMRITSAR	RAYYA	S-NPP	31.53180	75.28190	13:48:08	D	3.70
38	AMRITSAR	RAYYA	S-NPP	31.54820	75.15590	13:48:08	D	3.10
39	AMRITSAR	RAYYA	S-NPP	31.54890	75.19480	13:48:08	D	7.00
40	AMRITSAR	RAYYA	S-NPP	31.54990	75.15390	13:48:08	D	2.70
41	AMRITSAR	RAYYA	S-NPP	31.55040	75.19300	13:48:08	D	11.00
42	AMRITSAR	RAYYA	S-NPP	31.55280	75.19420	13:48:08	D	7.00
43	AMRITSAR	RAYYA	S-NPP	31.58080	75.28970	13:48:08	D	4.50
44	AMRITSAR	RAYYA	S-NPP	31.58840	75.32260	13:48:08	D	2.50
45	AMRITSAR	RAYYA	S-NPP	31.58860	75.25450	13:48:08	D	3.00
46	AMRITSAR	RAYYA	S-NPP	31.61090	75.38200	13:48:08	D	3.90
47	AMRITSAR	RAYYA	S-NPP	31.61220	75.29050	13:48:08	D	2.90
48	AMRITSAR	RAYYA	S-NPP	31.63340	75.23630	13:48:08	D	5.00
49	AMRITSAR	RAYYA	S-NPP	31.63730	75.23570	13:48:08	D	7.70
50	AMRITSAR	RAYYA	S-NPP	31.65210	75.29570	13:48:08	D	3.30
51	AMRITSAR	RAYYA	S-NPP	31.65780	75.24390	13:48:08	D	4.90
52	AMRITSAR	RAYYA	S-NPP	31.65920	75.24150	13:48:08	D	3.80
53	AMRITSAR	RAYYA	S-NPP	31.66240	75.23530	13:48:08	D	2.60
54	AMRITSAR	TARSIKKA	S-NPP	31.61290	75.19450	13:48:08	D	2.70
55	AMRITSAR	TARSIKKA	S-NPP	31.61360	75.20000	13:48:08	D	3.80
56	AMRITSAR	TARSIKKA	S-NPP	31.67330	75.22800	13:48:08	D	2.60
57	AMRITSAR	TARSIKKA	S-NPP	31.67530	75.21070	13:48:08	D	5.90
58	AMRITSAR	TARSIKKA	S-NPP	31.70160	75.10020	13:48:08	D	5.30
59	AMRITSAR	TARSIKKA	S-NPP	31.71690	75.13130	13:48:08	D	3.10
60	AMRITSAR	VERKA	S-NPP	31.69590	74.95180	13:48:08	D	2.50
61	AMRITSAR	VERKA	S-NPP	31.73020	74.85640	13:48:08	D	5.30
62	BARNALA	BARNALA	S-NPP	30.34380	75.67910	13:48:08	D	2.40
63	BARNALA	BARNALA	S-NPP	30.47360	75.63470	13:48:08	D	5.70

64	BARNALA	SEHNA	S-NPP	30.44120	75.35570	13:48:08	D	3.50
65	BATHINDA	BATHINDA	S-NPP	30.14200	75.05910	13:48:08	D	7.40
66	BATHINDA	NATHANA	S-NPP	30.14570	75.05850	13:48:08	D	10.20
67	BATHINDA	NATHANA	S-NPP	30.38730	75.09440	13:48:08	D	5.90
68	BATHINDA	SANGAT	S-NPP	30.10140	74.95260	13:48:08	D	7.40
69	FARIDKOT	FARIDKOT	S-NPP	30.66670	74.58440	13:48:08	D	4.20
70	FARIDKOT	FARIDKOT	S-NPP	30.75050	74.48170	13:48:08	D	1.60
71	FATEHGARH SAHIB	AMLOH	S-NPP	30.54840	76.30040	13:48:08	D	3.00
72	FATEHGARH SAHIB	AMLOH	S-NPP	30.60390	76.20560	13:48:08	D	3.00
73	FATEHGARH SAHIB	AMLOH	AQUA	30.56500	76.25200	14:14:09	D	15.40
74	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.66220	76.40380	13:48:08	D	6.70
75	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68240	76.47620	13:48:08	D	11.60
76	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68650	76.47560	13:48:08	D	11.60
77	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70780	76.51900	13:48:08	D	3.90
78	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.71550	76.51370	13:48:08	D	12.00
79	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.71860	76.50480	13:48:08	D	2.20
80	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.72020	76.44720	13:48:08	D	2.20
81	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.72040	76.44560	13:48:08	D	3.50
82	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.72920	76.45430	13:48:08	D	6.20
83	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.73500	76.47030	13:48:08	D	5.40
84	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.73910	76.46970	13:48:08	D	3.20
85	FATEHGARH SAHIB	KHAMANON	S-NPP	30.72340	76.32170	13:48:08	D	3.00
86	FATEHGARH SAHIB	KHAMANON	S-NPP	30.76020	76.32060	13:48:08	D	2.30
87	FATEHGARH SAHIB	KHAMANON	S-NPP	30.84670	76.32460	13:48:08	D	7.60
88	FATEHGARH SAHIB	KHERA	S-NPP	30.58110	76.56220	13:48:08	D	2.90
89	FATEHGARH SAHIB	KHERA	S-NPP	30.59970	76.58080	13:48:08	D	5.10
90	FATEHGARH SAHIB	KHERA	S-NPP	30.60550	76.44530	13:48:08	D	5.80
91	FATEHGARH SAHIB	KHERA	S-NPP	30.61640	76.54450	13:48:08	D	9.80
92	FATEHGARH SAHIB	KHERA	S-NPP	30.66880	76.50340	13:48:08	D	3.70
93	FATEHGARH SAHIB	KHERA	S-NPP	30.67780	76.54860	13:48:08	D	2.10
94	FATEHGARH SAHIB	KHERA	S-NPP	30.68780	76.56420	13:48:08	D	1.90
95	FATEHGARH SAHIB	SIRHIND	S-NPP	30.57300	76.30090	13:48:08	D	4.00
96	FATEHGARH SAHIB	SIRHIND	S-NPP	30.59140	76.31880	13:48:08	D	4.00

97	FATEHGARH SAHIB	SIRHIND	S-NPP	30.59540	76.31830	13:48:08	D	4.00
98	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60080	76.32980	13:48:08	D	5.70
99	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60090	76.32970	13:48:08	D	5.60
100	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60170	76.33790	13:48:08	D	3.00
101	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60180	76.33780	13:48:08	D	3.30
102	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60430	76.32520	13:48:08	D	2.40
103	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60450	76.32510	13:48:08	D	2.70
104	FAZILKA	FAZILKA	S-NPP	30.47780	74.04530	13:48:08	D	5.60
105	FAZILKA	FAZILKA	S-NPP	30.50040	73.99350	13:48:08	D	4.20
106	FAZILKA	JALALABAD	S-NPP	30.59730	74.11370	13:48:08	D	8.70
107	FAZILKA	JALALABAD	S-NPP	30.61410	74.18890	13:48:08	D	2.60
108	FAZILKA	JALALABAD	S-NPP	30.64300	74.21350	13:48:08	D	5.70
109	FIROZPUR	FIROZPUR	S-NPP	30.92560	74.52380	13:48:08	D	3.80
110	FIROZPUR	FIROZPUR	S-NPP	30.92610	74.52880	13:48:08	D	3.80
111	FIROZPUR	FIROZPUR	S-NPP	30.92680	74.52630	13:48:08	D	6.00
112	FIROZPUR	FIROZPUR	S-NPP	30.93790	74.50140	13:48:08	D	13.30
113	FIROZPUR	FIROZPUR	S-NPP	30.97810	74.64900	13:48:08	D	11.00
114	FIROZPUR	FIROZPUR	S-NPP	30.98180	74.64840	13:48:08	D	11.00
115	FIROZPUR	FIROZPUR	S-NPP	31.00890	74.56150	13:48:08	D	4.10
116	FIROZPUR	FIROZPUR	S-NPP	31.02000	74.65260	13:48:08	D	10.80
117	FIROZPUR	FIROZPUR	S-NPP	31.03610	74.69160	13:48:08	D	3.80
118	FIROZPUR	FIROZPUR	AQUA	30.93300	74.49500	14:14:09	D	16.60
119	FIROZPUR	FIROZPUR	AQUA	30.93500	74.51400	14:14:09	D	24.30
120	FIROZPUR	FIROZPUR	AQUA	31.01600	74.65300	14:14:09	D	28.60
121	FIROZPUR	GHALL KHURD	S-NPP	30.83020	74.67310	13:48:08	D	3.60
122	FIROZPUR	GHALL KHURD	S-NPP	30.91350	74.81850	13:48:08	D	7.10
123	FIROZPUR	GHALL KHURD	S-NPP	30.91970	74.80700	13:48:08	D	16.80
124	FIROZPUR	GHALL KHURD	S-NPP	30.95120	74.69230	13:48:08	D	3.30
125	FIROZPUR	GHALL KHURD	S-NPP	30.95330	74.69450	13:48:08	D	5.50
126	FIROZPUR	GHALL KHURD	S-NPP	30.95490	74.69170	13:48:08	D	3.30
127	FIROZPUR	GHALL KHURD	S-NPP	30.97780	74.77420	13:48:08	D	6.10
128	FIROZPUR	GHALL KHURD	S-NPP	31.00390	74.77000	13:48:08	D	2.50
129	FIROZPUR	GHALL KHURD	S-NPP	31.00890	74.74820	13:48:08	D	2.00

130	FIROZPUR	GHALL KHURD	AQUA	30.87700	74.65800	14:14:09	D	17.70
131	FIROZPUR	GURUHAR SAHAI	S-NPP	30.65140	74.22190	13:48:08	D	5.40
132	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67620	74.24240	13:48:08	D	27.60
133	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68090	74.22200	13:48:08	D	2.90
134	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68130	74.21900	13:48:08	D	1.50
135	FIROZPUR	GURUHAR SAHAI	S-NPP	30.69390	74.23170	13:48:08	D	2.50
136	FIROZPUR	GURUHAR SAHAI	S-NPP	30.69450	74.23650	13:48:08	D	3.00
137	FIROZPUR	GURUHAR SAHAI	S-NPP	30.69870	74.24070	13:48:08	D	3.00
138	FIROZPUR	GURUHAR SAHAI	S-NPP	30.69930	74.24550	13:48:08	D	5.70
139	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72800	74.41990	13:48:08	D	3.20
140	FIROZPUR	MAKHU	S-NPP	31.06870	74.89720	13:48:08	D	3.50
141	FIROZPUR	MAKHU	S-NPP	31.10730	75.13230	13:48:08	D	12.00
142	FIROZPUR	MAKHU	S-NPP	31.10870	75.13390	13:48:08	D	11.40
143	FIROZPUR	MAMDOT	S-NPP	30.78160	74.49180	13:48:08	D	7.10
144	FIROZPUR	MAMDOT	S-NPP	30.80360	74.51870	13:48:08	D	2.10
145	FIROZPUR	MAMDOT	S-NPP	30.81170	74.34810	13:48:08	D	5.30
146	FIROZPUR	MAMDOT	S-NPP	30.83650	74.36900	13:48:08	D	4.60
147	FIROZPUR	MAMDOT	S-NPP	30.84740	74.39740	13:48:08	D	11.60
148	FIROZPUR	MAMDOT	S-NPP	30.85230	74.37650	13:48:08	D	4.00
149	FIROZPUR	MAMDOT	S-NPP	30.88640	74.41110	13:48:08	D	1.90
150	FIROZPUR	MAMDOT	S-NPP	30.91140	74.43230	13:48:08	D	5.90
151	FIROZPUR	MAMDOT	S-NPP	30.93130	74.44660	13:48:08	D	3.10
152	FIROZPUR	MAMDOT	S-NPP	30.93190	74.45160	13:48:08	D	5.40
153	FIROZPUR	MAMDOT	S-NPP	30.93860	74.44540	13:48:08	D	4.70
154	GURDASPUR	BATALA	S-NPP	31.69440	75.24170	13:48:08	D	4.20
155	GURDASPUR	BATALA	S-NPP	31.69500	75.24730	13:48:08	D	6.00
156	GURDASPUR	BATALA	S-NPP	31.74950	75.16300	13:48:08	D	4.50
157	GURDASPUR	BATALA	S-NPP	31.75140	75.15950	13:48:08	D	5.70
158	GURDASPUR	BATALA	S-NPP	31.76680	75.14340	13:48:08	D	4.60
159	GURDASPUR	BATALA	S-NPP	31.76740	75.14890	13:48:08	D	10.30
160	GURDASPUR	BATALA	S-NPP	31.77300	75.19880	13:48:08	D	3.80
161	GURDASPUR	BATALA	S-NPP	31.80690	75.25590	13:48:08	D	4.10
162	GURDASPUR	BATALA	S-NPP	31.88150	75.14030	13:48:08	D	2.80

163	GURDASPUR	BATALA	S-NPP	31.89300	75.13850	13:48:08	D	2.90
164	GURDASPUR	DERA BABA NANAK	S-NPP	31.93510	75.03100	13:48:08	D	8.50
165	GURDASPUR	DERA BABA NANAK	S-NPP	31.96120	75.02130	13:48:08	D	2.10
166	GURDASPUR	DERA BABA NANAK	S-NPP	31.96290	75.01850	13:48:08	D	4.40
167	GURDASPUR	DERA BABA NANAK	S-NPP	31.96520	75.10790	13:48:08	D	2.20
168	GURDASPUR	DERA BABA NANAK	S-NPP	31.99330	75.11480	13:48:08	D	2.50
169	GURDASPUR	DERA BABA NANAK	S-NPP	31.99600	75.03570	13:48:08	D	4.50
170	GURDASPUR	DERA BABA NANAK	S-NPP	31.99720	75.08040	13:48:08	D	3.00
171	GURDASPUR	DERA BABA NANAK	S-NPP	31.99840	75.09150	13:48:08	D	5.50
172	GURDASPUR	DHARIWAL	S-NPP	31.88820	75.26990	13:48:08	D	6.80
173	GURDASPUR	DHARIWAL	S-NPP	31.91580	75.27130	13:48:08	D	8.70
174	GURDASPUR	DHARIWAL	S-NPP	31.97800	75.29380	13:48:08	D	5.50
175	GURDASPUR	DHARIWAL	S-NPP	31.98090	75.29000	13:48:08	D	8.60
176	GURDASPUR	DHARIWAL	S-NPP	31.98180	75.29320	13:48:08	D	5.50
177	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.88100	75.06740	13:48:08	D	11.70
178	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.88490	75.03330	13:48:08	D	5.60
179	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.92870	74.94320	13:48:08	D	9.90
180	GURDASPUR	KAHNUWAN	S-NPP	31.80820	75.51590	13:48:08	D	2.60
181	GURDASPUR	KAHNUWAN	S-NPP	31.83630	75.41230	13:48:08	D	6.40
182	GURDASPUR	KAHNUWAN	S-NPP	31.84210	75.49900	13:48:08	D	5.90
183	GURDASPUR	KAHNUWAN	S-NPP	31.85380	75.39220	13:48:08	D	6.50
184	GURDASPUR	KAHNUWAN	S-NPP	31.89080	75.43880	13:48:08	D	3.40
185	GURDASPUR	KAHNUWAN	S-NPP	31.89150	75.44270	13:48:08	D	2.90
186	GURDASPUR	QADIAN	S-NPP	31.74510	75.30780	13:48:08	D	2.80
187	GURDASPUR	QADIAN	S-NPP	31.74700	75.32460	13:48:08	D	6.20
188	GURDASPUR	QADIAN	S-NPP	31.77700	75.34060	13:48:08	D	2.50
189	GURDASPUR	QADIAN	S-NPP	31.79080	75.46580	13:48:08	D	8.90
190	GURDASPUR	QADIAN	S-NPP	31.79120	75.46800	13:48:08	D	13.60
191	GURDASPUR	QADIAN	S-NPP	31.79170	75.40170	13:48:08	D	5.30
192	GURDASPUR	QADIAN	S-NPP	31.79470	75.46520	13:48:08	D	8.90
193	GURDASPUR	QADIAN	S-NPP	31.80270	75.39420	13:48:08	D	5.60
194	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.63930	75.42370	13:48:08	D	6.20
195	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.64440	75.36540	13:48:08	D	2.90

196	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.64830	75.39920	13:48:08	D	2.60
197	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.65740	75.44400	13:48:08	D	4.40
198	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.70960	75.37630	13:48:08	D	2.90
199	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71100	75.31870	13:48:08	D	4.30
200	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71550	75.35810	13:48:08	D	9.90
201	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71870	75.35190	13:48:08	D	3.50
202	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.72250	75.35130	13:48:08	D	3.50
203	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.73550	75.36080	13:48:08	D	2.80
204	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.73860	75.42370	13:48:08	D	7.40
205	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.74380	75.36530	13:48:08	D	11.40
206	GURDASPUR	SRI HARGOBINDPUR	AQUA	31.68500	75.44400	14:14:09	D	14.60
207	GURDASPUR	SRI HARGOBINDPUR	AQUA	31.75600	75.35900	14:14:09	D	13.60
208	HOSHIARPUR	TANDA	S-NPP	31.60580	75.62120	13:48:08	D	3.60
209	HOSHIARPUR	TANDA	S-NPP	31.60720	75.59750	13:48:08	D	12.50
210	HOSHIARPUR	TANDA	S-NPP	31.69920	75.60530	13:48:08	D	8.40
211	HOSHIARPUR	TANDA	S-NPP	31.69990	75.60710	13:48:08	D	9.10
212	JALANDHAR	BHOGPUR	S-NPP	31.56820	75.59880	13:48:08	D	4.80
213	JALANDHAR	JALANDHAR WEST	S-NPP	31.41180	75.44460	13:48:08	D	3.00
214	JALANDHAR	JALANDHAR WEST	S-NPP	31.46750	75.55160	13:48:08	D	6.40
215	JALANDHAR	JALANDHAR WEST	AQUA	31.48300	75.48600	14:14:09	D	16.60
216	JALANDHAR	LOHIAN	S-NPP	31.04650	75.23160	13:48:08	D	3.00
217	JALANDHAR	LOHIAN	S-NPP	31.08910	75.16440	13:48:08	D	3.70
218	JALANDHAR	LOHIAN	S-NPP	31.09230	75.19140	13:48:08	D	5.40
219	JALANDHAR	LOHIAN	S-NPP	31.10970	75.18690	13:48:08	D	10.20
220	JALANDHAR	LOHIAN	S-NPP	31.11130	75.18850	13:48:08	D	9.80
221	JALANDHAR	LOHIAN	S-NPP	31.11350	75.18630	13:48:08	D	10.20
222	JALANDHAR	LOHIAN	S-NPP	31.11510	75.18790	13:48:08	D	9.80
223	JALANDHAR	LOHIAN	S-NPP	31.12490	75.18450	13:48:08	D	4.20
224	JALANDHAR	LOHIAN	S-NPP	31.13930	75.24310	13:48:08	D	10.30
225	JALANDHAR	LOHIAN	S-NPP	31.15080	75.24140	13:48:08	D	6.00
226	JALANDHAR	LOHIAN	S-NPP	31.15140	75.24680	13:48:08	D	7.50
227	JALANDHAR	LOHIAN	S-NPP	31.15570	75.31860	13:48:08	D	7.10
228	JALANDHAR	MEHATPUR	S-NPP	30.99130	75.51690	13:48:08	D	3.00

229	JALANDHAR	MEHATPUR	S-NPP	30.99710	75.49890	13:48:08	D	7.20
230	JALANDHAR	MEHATPUR	S-NPP	31.04160	75.50920	13:48:08	D	20.00
231	JALANDHAR	MEHATPUR	AQUA	31.01100	75.40900	14:14:09	D	15.50
232	JALANDHAR	NUR MAHAL	S-NPP	31.03720	75.71150	13:48:08	D	7.30
233	JALANDHAR	RURKA KALAN	S-NPP	31.17540	75.63500	13:48:08	D	5.60
234	JALANDHAR	RURKA KALAN	S-NPP	31.17580	75.63640	13:48:08	D	3.50
235	JALANDHAR	SHAHKOT	S-NPP	31.03610	75.31080	13:48:08	D	61.70
236	JALANDHAR	SHAHKOT	S-NPP	31.05790	75.26300	13:48:08	D	28.30
237	JALANDHAR	SHAHKOT	S-NPP	31.06110	75.25700	13:48:08	D	28.30
238	JALANDHAR	SHAHKOT	S-NPP	31.09360	75.36910	13:48:08	D	9.60
239	JALANDHAR	SHAHKOT	S-NPP	31.11530	75.28750	13:48:08	D	2.40
240	JALANDHAR	SHAHKOT	S-NPP	31.12880	75.33570	13:48:08	D	6.00
241	JALANDHAR	SHAHKOT	S-NPP	31.13010	75.33380	13:48:08	D	4.60
242	JALANDHAR	SHAHKOT	AQUA	31.02300	75.40700	14:14:09	D	17.40
243	JALANDHAR	SHAHKOT	AQUA	31.06400	75.29200	14:14:09	D	32.70
244	KAPURTHALA	DHILWAN	S-NPP	31.37740	75.24600	13:48:08	D	10.50
245	KAPURTHALA	DHILWAN	S-NPP	31.46200	75.36850	13:48:08	D	5.70
246	KAPURTHALA	DHILWAN	S-NPP	31.51640	75.35240	13:48:08	D	14.60
247	KAPURTHALA	KAPURTHALA	S-NPP	31.30130	75.31080	13:48:08	D	4.00
248	KAPURTHALA	KAPURTHALA	S-NPP	31.31670	75.30850	13:48:08	D	6.10
249	KAPURTHALA	KAPURTHALA	S-NPP	31.34230	75.32700	13:48:08	D	9.90
250	KAPURTHALA	KAPURTHALA	S-NPP	31.34620	75.32640	13:48:08	D	9.90
251	KAPURTHALA	KAPURTHALA	S-NPP	31.39840	75.29330	13:48:08	D	2.80
252	KAPURTHALA	KAPURTHALA	AQUA	31.28100	75.40300	14:14:09	D	20.80
253	KAPURTHALA	KAPURTHALA	AQUA	31.28200	75.40900	14:14:09	D	27.90
254	KAPURTHALA	KAPURTHALA	AQUA	31.32900	75.37500	14:14:09	D	23.30
255	KAPURTHALA	NADALA	S-NPP	31.48170	75.50310	13:48:08	D	8.40
256	KAPURTHALA	NADALA	S-NPP	31.48190	75.50120	13:48:08	D	7.50
257	KAPURTHALA	NADALA	S-NPP	31.49150	75.51710	13:48:08	D	2.40
258	KAPURTHALA	NADALA	S-NPP	31.51890	75.47820	13:48:08	D	8.40
259	KAPURTHALA	NADALA	S-NPP	31.56220	75.40820	13:48:08	D	1.70
260	KAPURTHALA	NADALA	S-NPP	31.56380	75.38360	13:48:08	D	2.00
261	KAPURTHALA	NADALA	S-NPP	31.56430	75.52930	13:48:08	D	14.90

262	KAPURTHALA	NADALA	S-NPP	31.56430	75.59940	13:48:08	D	4.80
263	KAPURTHALA	NADALA	S-NPP	31.56880	75.53440	13:48:08	D	19.90
264	KAPURTHALA	NADALA	S-NPP	31.57500	75.48560	13:48:08	D	5.40
265	KAPURTHALA	NADALA	S-NPP	31.57530	75.48700	13:48:08	D	7.90
266	KAPURTHALA	NADALA	S-NPP	31.58100	75.43410	13:48:08	D	4.90
267	KAPURTHALA	NADALA	S-NPP	31.58110	75.43270	13:48:08	D	3.90
268	KAPURTHALA	NADALA	S-NPP	31.58110	75.50350	13:48:08	D	8.10
269	KAPURTHALA	NADALA	S-NPP	31.58140	75.50790	13:48:08	D	9.50
270	KAPURTHALA	NADALA	S-NPP	31.58660	75.51870	13:48:08	D	25.10
271	KAPURTHALA	NADALA	S-NPP	31.58700	75.52000	13:48:08	D	17.70
272	KAPURTHALA	NADALA	S-NPP	31.59650	75.46490	13:48:08	D	2.70
273	KAPURTHALA	NADALA	S-NPP	31.60260	75.59230	13:48:08	D	11.40
274	KAPURTHALA	NADALA	S-NPP	31.62050	75.46710	13:48:08	D	4.70
275	KAPURTHALA	NADALA	AQUA	31.56200	75.51700	14:14:09	D	20.00
276	KAPURTHALA	NADALA	AQUA	31.59400	75.58300	14:14:09	D	17.90
277	KAPURTHALA	NADALA	AQUA	31.59600	75.59900	14:14:09	D	17.00
278	KAPURTHALA	NADALA	AQUA	31.62600	75.50200	14:14:09	D	15.60
279	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.17950	75.18710	13:48:08	D	3.40
280	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.18770	75.19130	13:48:08	D	11.30
281	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.19160	75.19070	13:48:08	D	11.30
282	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.19350	75.27370	13:48:08	D	3.00
283	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.19470	75.11870	13:48:08	D	4.80
284	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.21550	75.17370	13:48:08	D	3.00
285	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.22000	75.17850	13:48:08	D	3.00
286	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.22140	75.18060	13:48:08	D	2.90
287	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.24870	75.12440	13:48:08	D	5.90
288	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.25480	75.24520	13:48:08	D	4.40
289	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.26880	75.23190	13:48:08	D	8.40
290	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.27770	75.24170	13:48:08	D	6.60
291	KAPURTHALA	SULTANPUR LODHI	AQUA	31.18200	75.18500	14:14:09	D	39.60
292	KAPURTHALA	SULTANPUR LODHI	AQUA	31.18400	75.17800	14:14:09	D	33.70
293	LUDHIANA	JAGRAON	S-NPP	30.60700	75.40880	13:48:08	D	8.20
294	LUDHIANA	JAGRAON	S-NPP	30.61080	75.40820	13:48:08	D	8.20

295	LUDHIANA	JAGRAON	S-NPP	30.62810	75.38890	13:48:08	D	3.60
296	LUDHIANA	JAGRAON	S-NPP	30.68810	75.46880	13:48:08	D	4.70
297	LUDHIANA	JAGRAON	S-NPP	30.72270	75.52260	13:48:08	D	2.70
298	LUDHIANA	JAGRAON	S-NPP	30.72730	75.50210	13:48:08	D	8.60
299	LUDHIANA	JAGRAON	S-NPP	30.72960	75.37600	13:48:08	D	8.60
300	LUDHIANA	JAGRAON	S-NPP	30.73120	75.50150	13:48:08	D	8.60
301	LUDHIANA	MACHHIWARA	S-NPP	30.85170	76.29490	13:48:08	D	3.70
302	LUDHIANA	MACHHIWARA	S-NPP	30.94920	76.20700	13:48:08	D	4.50
303	LUDHIANA	MACHHIWARA	S-NPP	30.97870	76.21510	13:48:08	D	5.80
304	LUDHIANA	MALOD	S-NPP	30.61110	75.97640	13:48:08	D	3.90
305	LUDHIANA	MALOD	S-NPP	30.62760	75.94440	13:48:08	D	9.40
306	LUDHIANA	PAKHOWAL	S-NPP	30.68590	75.75930	13:48:08	D	3.20
307	LUDHIANA	PAKHOWAL	S-NPP	30.68980	75.75880	13:48:08	D	3.20
308	LUDHIANA	PAKHOWAL	S-NPP	30.70810	75.74440	13:48:08	D	3.10
309	LUDHIANA	PAKHOWAL	S-NPP	30.74780	75.71280	13:48:08	D	3.00
310	LUDHIANA	PAKHOWAL	S-NPP	30.75050	75.70090	13:48:08	D	4.00
311	LUDHIANA	PAKHOWAL	S-NPP	30.80630	75.77370	13:48:08	D	6.60
312	LUDHIANA	PAKHOWAL	S-NPP	30.80690	75.77940	13:48:08	D	6.60
313	LUDHIANA	RAIKOT	S-NPP	30.74070	75.54250	13:48:08	D	17.60
314	LUDHIANA	SAMRALA	S-NPP	30.80850	76.23950	13:48:08	D	2.30
315	LUDHIANA	SAMRALA	S-NPP	30.80890	76.23920	13:48:08	D	3.20
316	LUDHIANA	SAMRALA	S-NPP	30.81790	76.20920	13:48:08	D	8.90
317	LUDHIANA	SIDHWAN BET	S-NPP	30.84410	75.47370	13:48:08	D	4.00
318	LUDHIANA	SIDHWAN BET	S-NPP	30.84970	75.52370	13:48:08	D	17.00
319	LUDHIANA	SIDHWAN BET	S-NPP	30.89680	75.52220	13:48:08	D	13.80
320	LUDHIANA	SIDHWAN BET	S-NPP	30.91670	75.42320	13:48:08	D	7.20
321	LUDHIANA	SIDHWAN BET	S-NPP	30.91860	75.40610	13:48:08	D	3.10
322	LUDHIANA	SIDHWAN BET	S-NPP	30.91960	75.40350	13:48:08	D	30.20
323	LUDHIANA	SIDHWAN BET	S-NPP	30.92240	75.40550	13:48:08	D	19.10
324	MANSA	BHIKHI	S-NPP	30.08210	75.57150	13:48:08	D	4.00
325	MANSA	SARDULGARH	S-NPP	29.65230	75.22720	13:48:08	D	3.50
326	MANSA	SARDULGARH	S-NPP	29.66730	75.19340	13:48:08	D	8.30
327	MANSA	SARDULGARH	S-NPP	29.81060	75.23680	13:48:08	D	10.70

328	MOGA	BAGHA PURANA	S-NPP	30.61670	75.02710	13:48:08	D	3.30
329	MOGA	BAGHA PURANA	S-NPP	30.74150	75.01520	13:48:08	D	4.90
330	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.92350	75.31620	13:48:08	D	7.60
331	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.92570	75.31890	13:48:08	D	5.40
332	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.95380	75.25910	13:48:08	D	8.40
333	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.95690	75.35300	13:48:08	D	3.40
334	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.95770	75.25860	13:48:08	D	4.00
335	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.03520	75.20030	13:48:08	D	8.70
336	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.04400	75.20990	13:48:08	D	6.50
337	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.04710	75.23700	13:48:08	D	5.30
338	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.07900	75.17700	13:48:08	D	4.50
339	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	31.04400	75.20800	14:14:09	D	37.00
340	MOGA	MOGA-1	S-NPP	30.72580	75.37660	13:48:08	D	8.60
341	MOGA	MOGA-1	S-NPP	30.74270	75.15470	13:48:08	D	2.40
342	MOGA	NIHAL SINGH	S-NPP	30.56870	75.26770	13:48:08	D	4.90
343	MOGA	NIHAL SINGH	S-NPP	30.59420	75.31840	13:48:08	D	2.60
344	MOGA	NIHAL SINGH	S-NPP	30.59650	75.31660	13:48:08	D	2.80
345	MOGA	NIHAL SINGH	S-NPP	30.59670	75.34000	13:48:08	D	7.20
346	MOGA	NIHAL SINGH	S-NPP	30.63010	75.33890	13:48:08	D	3.70
347	MOGA	NIHAL SINGH	S-NPP	30.63530	75.28320	13:48:08	D	29.40
348	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.35940	74.58170	13:48:08	D	12.20
349	MUKTSAR	MUKTSAR	S-NPP	30.53440	74.59370	13:48:08	D	2.70
350	PATIALA	BHUNARHERI	S-NPP	30.12800	76.47830	13:48:08	D	5.70
351	PATIALA	BHUNARHERI	S-NPP	30.12940	76.49050	13:48:08	D	1.70
352	PATIALA	BHUNARHERI	S-NPP	30.13120	76.50680	13:48:08	D	3.30
353	PATIALA	BHUNARHERI	S-NPP	30.14730	76.57930	13:48:08	D	1.90
354	PATIALA	BHUNARHERI	S-NPP	30.14960	76.48760	13:48:08	D	2.90
355	PATIALA	BHUNARHERI	S-NPP	30.15860	76.53190	13:48:08	D	2.60
356	PATIALA	BHUNARHERI	S-NPP	30.18520	76.54890	13:48:08	D	2.60
357	PATIALA	BHUNARHERI	S-NPP	30.20420	76.50060	13:48:08	D	6.90
358	PATIALA	BHUNARHERI	S-NPP	30.20830	76.50010	13:48:08	D	16.90
359	PATIALA	BHUNARHERI	S-NPP	30.20940	76.54980	13:48:08	D	5.10
360	PATIALA	BHUNARHERI	S-NPP	30.21810	76.51520	13:48:08	D	3.20

361	PATIALA	BHUNARHERI	S-NPP	30.22490	76.50180	13:48:08	D	6.60
362	PATIALA	BHUNARHERI	S-NPP	30.22780	76.60580	13:48:08	D	9.50
363	PATIALA	BHUNARHERI	S-NPP	30.22810	76.49310	13:48:08	D	2.40
364	PATIALA	BHUNARHERI	S-NPP	30.23270	76.42220	13:48:08	D	2.10
365	PATIALA	BHUNARHERI	S-NPP	30.24780	76.52350	13:48:08	D	3.50
366	PATIALA	BHUNARHERI	S-NPP	30.25460	76.51000	13:48:08	D	2.90
367	PATIALA	BHUNARHERI	S-NPP	30.26500	76.56700	13:48:08	D	6.40
368	PATIALA	GHANAUR	S-NPP	30.37460	76.59070	13:48:08	D	3.80
369	PATIALA	GHANAUR	S-NPP	30.38190	76.58130	13:48:08	D	4.60
370	PATIALA	GHANAUR	S-NPP	30.39270	76.52930	13:48:08	D	2.70
371	PATIALA	GHANAUR	S-NPP	30.39780	76.65090	13:48:08	D	2.10
372	PATIALA	GHANAUR	S-NPP	30.40270	76.54470	13:48:08	D	2.20
373	PATIALA	NABHA	S-NPP	30.29670	76.21410	13:48:08	D	4.60
374	PATIALA	NABHA	S-NPP	30.33980	76.02310	13:48:08	D	9.50
375	PATIALA	NABHA	S-NPP	30.40310	76.06460	13:48:08	D	3.00
376	PATIALA	NABHA	S-NPP	30.42480	76.18710	13:48:08	D	8.10
377	PATIALA	NABHA	S-NPP	30.42870	76.18660	13:48:08	D	18.00
378	PATIALA	PATIALA	S-NPP	30.27230	76.19450	13:48:08	D	3.10
379	PATIALA	PATIALA	S-NPP	30.40560	76.42350	13:48:08	D	2.50
380	PATIALA	PATIALA	S-NPP	30.41830	76.50480	13:48:08	D	6.60
381	PATIALA	PATRAN	S-NPP	29.84950	76.20480	13:48:08	D	4.10
382	PATIALA	PATRAN	S-NPP	29.85470	76.08460	13:48:08	D	3.20
383	PATIALA	PATRAN	S-NPP	29.86380	76.13010	13:48:08	D	5.70
384	PATIALA	PATRAN	S-NPP	29.89660	76.17240	13:48:08	D	7.90
385	PATIALA	RAJPURA	S-NPP	30.50380	76.72180	13:48:08	D	5.70
386	PATIALA	RAJPURA	S-NPP	30.51440	76.74190	13:48:08	D	4.40
387	PATIALA	RAJPURA	S-NPP	30.52130	76.54540	13:48:08	D	2.30
388	PATIALA	RAJPURA	S-NPP	30.52350	76.56620	13:48:08	D	4.00
389	PATIALA	RAJPURA	S-NPP	30.52410	76.56540	13:48:08	D	4.90
390	PATIALA	RAJPURA	S-NPP	30.52520	76.58290	13:48:08	D	1.80
391	PATIALA	RAJPURA	S-NPP	30.52600	76.58210	13:48:08	D	2.90
392	PATIALA	RAJPURA	S-NPP	30.54080	76.53420	13:48:08	D	2.40
393	PATIALA	RAJPURA	S-NPP	30.54670	76.51230	13:48:08	D	6.70

394	PATIALA	RAJPURA	S-NPP	30.58560	76.60400	13:48:08	D	2.00
395	PATIALA	SAMANA	S-NPP	30.02320	76.20500	13:48:08	D	6.70
396	PATIALA	SAMANA	S-NPP	30.08410	76.11710	13:48:08	D	2.30
397	PATIALA	SAMANA	S-NPP	30.08600	76.17020	13:48:08	D	3.40
398	PATIALA	SAMANA	S-NPP	30.17440	76.11340	13:48:08	D	3.30
399	PATIALA	SAMANA	S-NPP	30.19200	76.20020	13:48:08	D	9.20
400	PATIALA	SANAUR	S-NPP	30.11770	76.30950	13:48:08	D	4.80
401	PATIALA	SANAUR	S-NPP	30.14740	76.39350	13:48:08	D	4.10
402	PATIALA	SANAUR	S-NPP	30.20290	76.33670	13:48:08	D	3.30
403	PATIALA	SANAUR	S-NPP	30.28610	76.49720	13:48:08	D	2.70
404	PATIALA	SANAUR	AQUA	30.15000	76.38100	14:14:09	D	22.30
405	PATIALA	SHAMBU KALAN	S-NPP	30.41930	76.59290	13:48:08	D	4.50
406	PATIALA	SHAMBU KALAN	S-NPP	30.42050	76.59270	13:48:08	D	4.50
407	PATIALA	SHAMBU KALAN	S-NPP	30.43660	76.59900	13:48:08	D	1.30
408	PATIALA	SHAMBU KALAN	S-NPP	30.45620	76.74580	13:48:08	D	2.60
409	PATIALA	SHAMBU KALAN	S-NPP	30.47370	76.67460	13:48:08	D	2.40
410	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.93500	76.45470	13:48:08	D	2.10
411	RUPNAGAR	MORINDA	S-NPP	30.75490	76.46330	13:48:08	D	3.70
412	RUPNAGAR	MORINDA	S-NPP	30.76530	76.48290	13:48:08	D	6.10
413	RUPNAGAR	MORINDA	S-NPP	30.80740	76.52770	13:48:08	D	4.80
414	RUPNAGAR	MORINDA	S-NPP	30.80790	76.53190	13:48:08	D	4.80
415	RUPNAGAR	MORINDA	S-NPP	30.83160	76.49460	13:48:08	D	9.10
416	RUPNAGAR	MORINDA	S-NPP	30.83280	76.49440	13:48:08	D	17.80
417	RUPNAGAR	MORINDA	S-NPP	30.83570	76.49400	13:48:08	D	9.10
418	RUPNAGAR	MORINDA	S-NPP	30.83940	76.48930	13:48:08	D	5.00
419	SANGRUR	ANDANA	S-NPP	29.77510	75.94240	13:48:08	D	4.60
420	SANGRUR	ANDANA	S-NPP	29.78490	76.02720	13:48:08	D	4.30
421	SANGRUR	ANDANA	S-NPP	29.79860	76.00790	13:48:08	D	13.00
422	SANGRUR	ANDANA	S-NPP	29.81590	75.95150	13:48:08	D	12.40
423	SANGRUR	ANDANA	S-NPP	29.81920	76.08980	13:48:08	D	9.10
424	SANGRUR	ANDANA	S-NPP	29.81970	76.08590	13:48:08	D	4.10
425	SANGRUR	ANDANA	S-NPP	29.83120	76.05310	13:48:08	D	9.60
426	SANGRUR	ANDANA	S-NPP	29.83140	76.04930	13:48:08	D	2.90

427	SANGRUR	ANDANA	S-NPP	29.83210	76.05510	13:48:08	D	4.70
428	SANGRUR	BHAWANIGARH	S-NPP	30.23510	76.08080	13:48:08	D	5.50
429	SANGRUR	BHAWANIGARH	S-NPP	30.26590	76.08120	13:48:08	D	6.20
430	SANGRUR	BHAWANIGARH	S-NPP	30.26990	76.08060	13:48:08	D	7.50
431	SANGRUR	BHAWANIGARH	S-NPP	30.27420	76.19330	13:48:08	D	9.00
432	SANGRUR	BHAWANIGARH	S-NPP	30.27630	76.19400	13:48:08	D	3.10
433	SANGRUR	DHURI	S-NPP	30.37760	75.97980	13:48:08	D	3.60
434	SANGRUR	DHURI	S-NPP	30.37820	75.98560	13:48:08	D	5.50
435	SANGRUR	MALERKOTLA-2	S-NPP	30.65360	75.86310	13:48:08	D	2.70
436	SANGRUR	SUNAM	S-NPP	30.04610	75.84970	13:48:08	D	18.30
437	SANGRUR	SUNAM	S-NPP	30.05000	75.84910	13:48:08	D	18.30
438	SANGRUR	SUNAM	S-NPP	30.11440	75.86000	13:48:08	D	6.10
439	SANGRUR	SUNAM	S-NPP	30.11830	75.85940	13:48:08	D	6.10
440	SANGRUR	SUNAM	S-NPP	30.11890	75.86170	13:48:08	D	2.80
441	SANGRUR	SUNAM	S-NPP	30.15290	75.77990	13:48:08	D	6.60
442	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.44300	76.87330	13:48:08	D	1.90
443	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.56040	76.84080	13:48:08	D	4.10
444	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.58950	76.79740	13:48:08	D	2.00
445	SAS NAGAR (MOHALI)	KHARAR	S-NPP	30.69050	76.58930	13:48:08	D	2.60
446	SAS NAGAR (MOHALI)	KHARAR	S-NPP	30.74410	76.59630	13:48:08	D	7.10
447	TARN TARAN	BHIKHIWIND	S-NPP	31.26440	74.66820	13:48:08	D	2.80
448	TARN TARAN	BHIKHIWIND	S-NPP	31.27370	74.72210	13:48:08	D	4.20
449	TARN TARAN	BHIKHIWIND	S-NPP	31.27470	74.72430	13:48:08	D	3.50
450	TARN TARAN	BHIKHIWIND	S-NPP	31.28180	74.72600	13:48:08	D	7.30
451	TARN TARAN	BHIKHIWIND	S-NPP	31.28280	74.72830	13:48:08	D	10.60
452	TARN TARAN	BHIKHIWIND	S-NPP	31.29360	74.62680	13:48:08	D	17.10
453	TARN TARAN	BHIKHIWIND	S-NPP	31.29730	74.62620	13:48:08	D	7.80
454	TARN TARAN	BHIKHIWIND	S-NPP	31.29890	74.73630	13:48:08	D	5.30
455	TARN TARAN	BHIKHIWIND	S-NPP	31.30150	74.72530	13:48:08	D	4.00
456	TARN TARAN	BHIKHIWIND	S-NPP	31.30330	74.70920	13:48:08	D	7.30
457	TARN TARAN	BHIKHIWIND	S-NPP	31.30830	74.71900	13:48:08	D	2.20
458	TARN TARAN	BHIKHIWIND	S-NPP	31.30900	74.59820	13:48:08	D	3.60
459	TARN TARAN	BHIKHIWIND	S-NPP	31.32070	74.75930	13:48:08	D	3.10

460	TARN TARAN	BHIKHIWIND	S-NPP	31.33370	74.58380	13:48:08	D	6.00
461	TARN TARAN	BHIKHIWIND	S-NPP	31.34370	74.72910	13:48:08	D	6.70
462	TARN TARAN	BHIKHIWIND	S-NPP	31.37240	74.74570	13:48:08	D	8.00
463	TARN TARAN	BHIKHIWIND	S-NPP	31.39790	74.69690	13:48:08	D	3.70
464	TARN TARAN	BHIKHIWIND	S-NPP	31.41530	74.68350	13:48:08	D	3.30
465	TARN TARAN	BHIKHIWIND	AQUA	31.33100	74.78900	14:14:09	D	47.10
466	TARN TARAN	BHIKHIWIND	AQUA	31.33600	74.77500	14:14:09	D	18.40
467	TARN TARAN	CHOHLA SAHIB	S-NPP	31.18250	74.95210	13:48:08	D	3.60
468	TARN TARAN	CHOHLA SAHIB	S-NPP	31.19920	74.96320	13:48:08	D	4.60
469	TARN TARAN	CHOHLA SAHIB	S-NPP	31.19950	74.96560	13:48:08	D	5.30
470	TARN TARAN	CHOHLA SAHIB	S-NPP	31.20410	75.00570	13:48:08	D	4.00
471	TARN TARAN	CHOHLA SAHIB	S-NPP	31.20520	74.98090	13:48:08	D	3.10
472	TARN TARAN	CHOHLA SAHIB	S-NPP	31.22690	74.96970	13:48:08	D	7.20
473	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23370	75.02820	13:48:08	D	19.60
474	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23680	75.02230	13:48:08	D	9.00
475	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23740	75.02760	13:48:08	D	13.40
476	TARN TARAN	CHOHLA SAHIB	S-NPP	31.24070	74.95670	13:48:08	D	2.50
477	TARN TARAN	CHOHLA SAHIB	S-NPP	31.25640	74.89500	13:48:08	D	4.60
478	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28210	74.91780	13:48:08	D	3.20
479	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29160	74.96480	13:48:08	D	4.60
480	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29540	74.96420	13:48:08	D	4.60
481	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29870	75.05620	13:48:08	D	4.50
482	TARN TARAN	CHOHLA SAHIB	S-NPP	31.30250	75.05560	13:48:08	D	5.40
483	TARN TARAN	CHOHLA SAHIB	S-NPP	31.30770	74.97590	13:48:08	D	2.30
484	TARN TARAN	CHOHLA SAHIB	S-NPP	31.33510	75.08070	13:48:08	D	6.60
485	TARN TARAN	CHOHLA SAHIB	S-NPP	31.33950	75.08550	13:48:08	D	6.60
486	TARN TARAN	CHOHLA SAHIB	S-NPP	31.37000	75.04780	13:48:08	D	16.50
487	TARN TARAN	CHOHLA SAHIB	S-NPP	31.37500	75.05800	13:48:08	D	8.90
488	TARN TARAN	CHOHLA SAHIB	AQUA	31.20100	74.94200	14:14:09	D	13.50
489	TARN TARAN	CHOHLA SAHIB	AQUA	31.25000	74.93600	14:14:09	D	15.50
490	TARN TARAN	CHOHLA SAHIB	AQUA	31.30100	74.92400	14:14:09	D	13.10
491	TARN TARAN	CHOHLA SAHIB	AQUA	31.35000	75.04500	14:14:09	D	15.70
492	TARN TARAN	GANDIWIND TATLA	S-NPP	31.43390	74.71220	13:48:08	D	8.30

493	TARN TARAN	GANDIWIND TATLA	S-NPP	31.44700	74.72600	13:48:08	D	3.80
494	TARN TARAN	GANDIWIND TATLA	S-NPP	31.45130	74.73060	13:48:08	D	7.00
495	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48130	74.75780	13:48:08	D	2.80
496	TARN TARAN	KHADUR SAHIB	S-NPP	31.37370	75.14640	13:48:08	D	10.90
497	TARN TARAN	KHADUR SAHIB	S-NPP	31.43310	75.13490	13:48:08	D	4.20
498	TARN TARAN	KHADUR SAHIB	S-NPP	31.43380	75.10710	13:48:08	D	2.10
499	TARN TARAN	KHADUR SAHIB	S-NPP	31.43400	75.13140	13:48:08	D	5.40
500	TARN TARAN	KHADUR SAHIB	S-NPP	31.43520	75.10910	13:48:08	D	3.10
501	TARN TARAN	KHADUR SAHIB	S-NPP	31.43760	75.10650	13:48:08	D	2.40
502	TARN TARAN	KHADUR SAHIB	S-NPP	31.44160	75.03980	13:48:08	D	3.40
503	TARN TARAN	KHADUR SAHIB	S-NPP	31.46240	75.08600	13:48:08	D	4.90
504	TARN TARAN	KHADUR SAHIB	S-NPP	31.46300	75.09150	13:48:08	D	4.90
505	TARN TARAN	KHADUR SAHIB	S-NPP	31.46420	75.13560	13:48:08	D	3.50
506	TARN TARAN	KHADUR SAHIB	S-NPP	31.46630	75.01940	13:48:08	D	4.00
507	TARN TARAN	KHADUR SAHIB	S-NPP	31.51500	75.07230	13:48:08	D	2.80
508	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.31160	74.94280	13:48:08	D	3.90
509	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.34110	74.93270	13:48:08	D	3.80
510	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.35740	75.00610	13:48:08	D	3.60
511	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.36620	74.85330	13:48:08	D	2.90
512	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.36620	75.01560	13:48:08	D	3.60
513	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.39640	74.91310	13:48:08	D	3.50
514	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.39700	74.91840	13:48:08	D	4.50
515	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.40340	75.00430	13:48:08	D	3.30
516	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.41100	75.03590	13:48:08	D	4.10
517	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.41170	75.04130	13:48:08	D	4.10
518	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.41440	75.03860	13:48:08	D	5.10
519	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.41800	75.02930	13:48:08	D	25.70
520	TARN TARAN	NAUSHERA PANNUAN	AQUA	31.39700	74.96800	14:14:09	D	26.60
521	TARN TARAN	PATTI	S-NPP	31.14620	74.80850	13:48:08	D	3.50
522	TARN TARAN	PATTI	S-NPP	31.15990	74.85940	13:48:08	D	3.50
523	TARN TARAN	PATTI	S-NPP	31.17120	74.88960	13:48:08	D	2.30
524	TARN TARAN	PATTI	S-NPP	31.21150	74.77420	13:48:08	D	6.40
525	TARN TARAN	PATTI	S-NPP	31.21530	74.77370	13:48:08	D	10.70

526	TARN TARAN	PATTI	S-NPP	31.21640	74.87990	13:48:08	D	2.70
527	TARN TARAN	PATTI	S-NPP	31.22130	74.92200	13:48:08	D	2.60
528	TARN TARAN	PATTI	S-NPP	31.22770	74.81410	13:48:08	D	6.50
529	TARN TARAN	PATTI	S-NPP	31.23760	74.89790	13:48:08	D	3.10
530	TARN TARAN	PATTI	S-NPP	31.25070	74.72050	13:48:08	D	23.00
531	TARN TARAN	PATTI	S-NPP	31.26580	74.81330	13:48:08	D	2.80
532	TARN TARAN	PATTI	S-NPP	31.28070	74.80820	13:48:08	D	3.00
533	TARN TARAN	PATTI	S-NPP	31.28210	74.88550	13:48:08	D	5.20
534	TARN TARAN	PATTI	S-NPP	31.28270	74.89080	13:48:08	D	14.00
535	TARN TARAN	PATTI	S-NPP	31.31430	74.83480	13:48:08	D	8.60
536	TARN TARAN	PATTI	AQUA	31.21000	74.77600	14:14:09	D	39.20
537	TARN TARAN	PATTI	AQUA	31.26300	74.78400	14:14:09	D	32.70
538	TARN TARAN	TARN TARAN	S-NPP	31.33750	74.80440	13:48:08	D	11.50
539	TARN TARAN	TARN TARAN	S-NPP	31.34370	74.82480	13:48:08	D	6.60
540	TARN TARAN	TARN TARAN	S-NPP	31.37240	74.80950	13:48:08	D	9.20
541	TARN TARAN	TARN TARAN	S-NPP	31.37560	74.83570	13:48:08	D	7.00
542	TARN TARAN	TARN TARAN	S-NPP	31.39830	74.76570	13:48:08	D	4.20
543	TARN TARAN	TARN TARAN	S-NPP	31.41700	75.02720	13:48:08	D	26.50
544	TARN TARAN	TARN TARAN	S-NPP	31.44060	74.89840	13:48:08	D	4.10
545	TARN TARAN	TARN TARAN	S-NPP	31.46630	74.82430	13:48:08	D	5.60
546	TARN TARAN	TARN TARAN	S-NPP	31.48580	74.95630	13:48:08	D	3.10
547	TARN TARAN	TARN TARAN	S-NPP	31.48960	74.89060	13:48:08	D	5.50
548	TARN TARAN	TARN TARAN	S-NPP	31.49130	74.80960	13:48:08	D	2.20
549	TARN TARAN	TARN TARAN	S-NPP	31.49330	74.85770	13:48:08	D	4.50
550	TARN TARAN	TARN TARAN	S-NPP	31.50890	74.92910	13:48:08	D	6.40
551	TARN TARAN	TARN TARAN	S-NPP	31.50970	74.93080	13:48:08	D	6.60
552	TARN TARAN	TARN TARAN	AQUA	31.33800	74.79600	14:14:09	D	32.90
553	TARN TARAN	TARN TARAN	AQUA	31.38200	74.80300	14:14:09	D	13.80
554	TARN TARAN	TARN TARAN	AQUA	31.38300	74.82400	14:14:09	D	18.90
555	TARN TARAN	TARN TARAN	AQUA	31.48700	74.97300	14:14:09	D	18.00
556	TARN TARAN	VALTOHA	S-NPP	31.11020	74.60480	13:48:08	D	6.10
557	TARN TARAN	VALTOHA	S-NPP	31.14660	74.62480	13:48:08	D	5.70
558	TARN TARAN	VALTOHA	S-NPP	31.15120	74.61620	13:48:08	D	6.10

559	TARN TARAN	VALTOHA	S-NPP	31.15270	74.61340	13:48:08	D	3.00
560	TARN TARAN	VALTOHA	S-NPP	31.15340	74.61850	13:48:08	D	3.00
561	TARN TARAN	VALTOHA	S-NPP	31.15360	74.63670	13:48:08	D	5.20
562	TARN TARAN	VALTOHA	S-NPP	31.15520	74.63380	13:48:08	D	5.90
563	TARN TARAN	VALTOHA	S-NPP	31.15640	74.61280	13:48:08	D	4.20
564	TARN TARAN	VALTOHA	S-NPP	31.15860	74.61500	13:48:08	D	3.20
565	TARN TARAN	VALTOHA	S-NPP	31.16250	74.55230	13:48:08	D	1.60
566	TARN TARAN	VALTOHA	S-NPP	31.16470	74.66620	13:48:08	D	3.00
567	TARN TARAN	VALTOHA	S-NPP	31.17090	74.69920	13:48:08	D	7.20
568	TARN TARAN	VALTOHA	S-NPP	31.17260	74.70160	13:48:08	D	15.00
569	TARN TARAN	VALTOHA	S-NPP	31.17470	74.62280	13:48:08	D	7.50
570	TARN TARAN	VALTOHA	S-NPP	31.18500	74.67860	13:48:08	D	4.70
571	TARN TARAN	VALTOHA	S-NPP	31.19500	74.63520	13:48:08	D	6.10
572	TARN TARAN	VALTOHA	S-NPP	31.21480	74.54890	13:48:08	D	6.50
573	TARN TARAN	VALTOHA	S-NPP	31.23090	74.65030	13:48:08	D	4.10
574	TARN TARAN	VALTOHA	S-NPP	31.26600	74.59770	13:48:08	D	4.90
575	TARN TARAN	VALTOHA	S-NPP	31.26710	74.59460	13:48:08	D	5.40
576	TARN TARAN	VALTOHA	S-NPP	31.28250	74.59730	13:48:08	D	1.90
577	TARN TARAN	VALTOHA	S-NPP	31.28940	74.55980	13:48:08	D	3.70
578	TARN TARAN	VALTOHA	S-NPP	31.30100	74.59430	13:48:08	D	4.70
579	TARN TARAN	VALTOHA	AQUA	31.15000	74.73000	14:14:09	D	9.70
580	TARN TARAN	VALTOHA	AQUA	31.15600	74.72300	14:14:09	D	19.20
581	TARN TARAN	VALTOHA	AQUA	31.18900	74.55900	14:14:09	D	11.70
582	TARN TARAN	VALTOHA	AQUA	31.23500	74.60700	14:14:09	D	10.80

Details of residue burning events in Haryana on 22-Oct-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	AMBALA-II	S-NPP	30.12640	76.61580	13:48:08	D	6.70
2	AMBALA	AMBALA-II	S-NPP	30.24510	76.57400	13:48:08	D	2.70
3	AMBALA	AMBALA-II	S-NPP	30.25770	76.61420	13:48:08	D	4.50
4	AMBALA	AMBALA-II	S-NPP	30.27540	76.66240	13:48:08	D	3.30
5	AMBALA	AMBALA-II	S-NPP	30.28850	76.86240	13:48:08	D	3.60
6	AMBALA	BARARA	S-NPP	30.22410	76.98020	13:48:08	D	3.00
7	AMBALA	NARAINGARH	S-NPP	30.41700	77.14850	13:48:08	D	2.30
8	FATEHABAD	BHUNA	S-NPP	29.49110	75.74680	13:48:08	D	17.40
9	FATEHABAD	BHUNA	S-NPP	29.57340	75.84590	13:48:08	D	3.90
10	FATEHABAD	BHUNA	S-NPP	29.57730	75.84530	13:48:08	D	3.90
11	FATEHABAD	FATEHABAD	S-NPP	29.49980	75.52130	13:48:08	D	4.90
12	FATEHABAD	FATEHABAD	S-NPP	29.61560	75.30340	13:48:08	D	7.10
13	FATEHABAD	RATIA	S-NPP	29.66210	75.34200	13:48:08	D	2.30
14	FATEHABAD	RATIA	S-NPP	29.72120	75.51580	13:48:08	D	4.10
15	FATEHABAD	RATIA	S-NPP	29.72750	75.66840	13:48:08	D	7.30
16	FATEHABAD	RATIA	S-NPP	29.73010	75.39570	13:48:08	D	1.50
17	FATEHABAD	TOHANA	S-NPP	29.57410	75.91910	13:48:08	D	10.40
18	FATEHABAD	TOHANA	S-NPP	29.58390	75.93460	13:48:08	D	3.00
19	FATEHABAD	TOHANA	S-NPP	29.58450	75.94020	13:48:08	D	3.00
20	FATEHABAD	TOHANA	S-NPP	29.66370	75.83580	13:48:08	D	2.70
21	FATEHABAD	TOHANA	S-NPP	29.68060	75.91240	13:48:08	D	5.10
22	FATEHABAD	TOHANA	S-NPP	29.68450	75.91180	13:48:08	D	5.10
23	FATEHABAD	TOHANA	S-NPP	29.70670	75.79410	13:48:08	D	9.40
24	HISAR	HANSI-I	S-NPP	29.17300	75.95360	13:48:08	D	1.80
25	HISAR	HANSI-I	S-NPP	29.17440	75.95690	13:48:08	D	4.70
26	HISAR	UKLANA	S-NPP	29.52880	75.90320	13:48:08	D	6.50
27	HISAR	UKLANA	S-NPP	29.53270	75.90260	13:48:08	D	14.00
28	JIND	ALEWA	S-NPP	29.48260	76.32870	13:48:08	D	6.50
29	JIND	ALEWA	S-NPP	29.53920	76.47020	13:48:08	D	3.90
30	JIND	ALEWA	S-NPP	29.53960	76.46800	13:48:08	D	3.90

31	JIND	NARWANA	S-NPP	29.62490	76.12180	13:48:08	D	2.90
32	JIND	NARWANA	S-NPP	29.62600	76.12360	13:48:08	D	4.30
33	JIND	NARWANA	S-NPP	29.65130	76.03690	13:48:08	D	9.10
34	JIND	NARWANA	S-NPP	29.66760	76.00570	13:48:08	D	6.10
35	JIND	NARWANA	S-NPP	29.73590	76.01710	13:48:08	D	9.60
36	JIND	NARWANA	S-NPP	29.75730	76.13600	13:48:08	D	3.70
37	JIND	NARWANA	S-NPP	29.77620	76.19780	13:48:08	D	3.90
38	JIND	SAFIDON	S-NPP	29.41330	76.59430	13:48:08	D	3.20
39	JIND	SAFIDON	S-NPP	29.41730	76.59370	13:48:08	D	3.20
40	JIND	UCHANA	S-NPP	29.42610	76.24470	13:48:08	D	6.40
41	JIND	UCHANA	S-NPP	29.42850	76.02850	13:48:08	D	3.20
42	JIND	UCHANA	S-NPP	29.47010	76.28920	13:48:08	D	5.30
43	JIND	UCHANA	S-NPP	29.50620	76.11460	13:48:08	D	4.20
44	KAITHAL	GUHLA	S-NPP	29.95560	76.26480	13:48:08	D	5.10
45	KAITHAL	GUHLA	S-NPP	29.97410	76.23590	13:48:08	D	9.00
46	KAITHAL	GUHLA	S-NPP	29.98370	76.36090	13:48:08	D	9.10
47	KAITHAL	GUHLA	S-NPP	30.07910	76.44790	13:48:08	D	6.90
48	KAITHAL	GUHLA	S-NPP	30.08270	76.36210	13:48:08	D	10.80
49	KAITHAL	GUHLA	S-NPP	30.08570	76.31420	13:48:08	D	7.90
50	KAITHAL	GUHLA	S-NPP	30.09710	76.27020	13:48:08	D	4.90
51	KAITHAL	GUHLA	S-NPP	30.17070	76.41880	13:48:08	D	2.50
52	KAITHAL	KAITHAL	S-NPP	29.81320	76.27540	13:48:08	D	7.40
53	KAITHAL	KAITHAL	S-NPP	29.84000	76.44120	13:48:08	D	3.30
54	KAITHAL	KALAYAT	S-NPP	29.69640	76.22260	13:48:08	D	4.40
55	KAITHAL	PUNDRI	S-NPP	29.67880	76.69340	13:48:08	D	6.80
56	KAITHAL	PUNDRI	S-NPP	29.67920	76.69280	13:48:08	D	5.90
57	KAITHAL	PUNDRI	S-NPP	29.73260	76.69410	13:48:08	D	7.70
58	KAITHAL	PUNDRI	S-NPP	29.85450	76.57010	13:48:08	D	4.10
59	KAITHAL	PUNDRI	S-NPP	29.86440	76.66000	13:48:08	D	2.40
60	KAITHAL	RAJOUND	S-NPP	29.55050	76.46250	13:48:08	D	6.20
61	KAITHAL	RAJOUND	S-NPP	29.55120	76.46850	13:48:08	D	6.20
62	KAITHAL	RAJOUND	S-NPP	29.55160	76.46630	13:48:08	D	11.80
63	KAITHAL	RAJOUND	S-NPP	29.57860	76.52610	13:48:08	D	7.80
64	KAITHAL	SIWAN	S-NPP	29.89660	76.24350	13:48:08	D	6.90

65	KAITHAL	SIWAN	S-NPP	29.89790	76.21950	13:48:08	D	9.80
66	KAITHAL	SIWAN	S-NPP	29.90180	76.29050	13:48:08	D	8.90
67	KAITHAL	SIWAN	S-NPP	29.90850	76.27760	13:48:08	D	4.60
68	KAITHAL	SIWAN	S-NPP	29.91570	76.37890	13:48:08	D	32.20
69	KAITHAL	SIWAN	S-NPP	29.94110	76.35110	13:48:08	D	13.40
70	KAITHAL	SIWAN	S-NPP	29.96030	76.22010	13:48:08	D	4.20
71	KAITHAL	SIWAN	AQUA	29.93200	76.34800	14:14:09	D	62.10
72	KAITHAL	SIWAN	AQUA	29.93900	76.34200	14:14:09	D	75.90
73	KAITHAL	SIWAN	AQUA	29.94500	76.34700	14:14:09	D	21.10
74	KARNAL	ASSANDH	S-NPP	29.49740	76.53380	13:48:08	D	5.60
75	KARNAL	ASSANDH	S-NPP	29.53730	76.78360	13:48:08	D	3.80
76	KARNAL	CHIRAO	S-NPP	29.64210	76.80690	13:48:08	D	9.50
77	KARNAL	CHIRAO	S-NPP	29.66980	76.71910	13:48:08	D	1.00
78	KARNAL	CHIRAO	S-NPP	29.72650	76.82970	13:48:08	D	14.50
79	KARNAL	CHIRAO	S-NPP	29.73110	76.83330	13:48:08	D	8.70
80	KARNAL	GHARAUNDA	S-NPP	29.57380	77.08180	13:48:08	D	2.30
81	KARNAL	GHARAUNDA	S-NPP	29.59500	77.04410	13:48:08	D	3.90
82	KARNAL	INDRI	S-NPP	29.83540	77.09280	13:48:08	D	2.20
83	KARNAL	INDRI	S-NPP	29.85810	77.10740	13:48:08	D	1.70
84	KARNAL	KARNAL	S-NPP	29.68750	77.03180	13:48:08	D	3.70
85	KARNAL	KARNAL	S-NPP	29.76890	76.99110	13:48:08	D	2.40
86	KARNAL	NILOKHERI	S-NPP	29.76990	76.92180	13:48:08	D	9.60
87	KARNAL	NILOKHERI	S-NPP	29.82460	76.86840	13:48:08	D	1.70
88	KURUKSHETRA	BABAIN	S-NPP	30.04570	76.94250	13:48:08	D	8.60
89	KURUKSHETRA	BABAIN	S-NPP	30.08530	77.03790	13:48:08	D	2.90
90	KURUKSHETRA	ISMAILABAD	S-NPP	30.09480	76.66160	13:48:08	D	3.80
91	KURUKSHETRA	ISMAILABAD	S-NPP	30.09620	76.63620	13:48:08	D	7.60
92	KURUKSHETRA	ISMAILABAD	S-NPP	30.09990	76.70730	13:48:08	D	4.20
93	KURUKSHETRA	ISMAILABAD	S-NPP	30.13240	76.75020	13:48:08	D	8.90
94	KURUKSHETRA	ISMAILABAD	AQUA	30.09700	76.64700	14:14:09	D	22.80
95	KURUKSHETRA	ISMAILABAD	AQUA	30.12300	76.71900	14:14:09	D	24.90
96	KURUKSHETRA	ISMAILABAD	AQUA	30.13200	76.72300	14:14:09	D	31.20
97	KURUKSHETRA	PEHOWA	S-NPP	29.92710	76.51890	13:48:08	D	3.60
98	KURUKSHETRA	PEHOWA	S-NPP	29.94960	76.61090	13:48:08	D	1.90

99	KURUKSHETRA	PEHOWA	S-NPP	29.95000	76.50330	13:48:08	D	7.20
100	KURUKSHETRA	PEHOWA	S-NPP	29.99470	76.65470	13:48:08	D	1.70
101	KURUKSHETRA	PEHOWA	S-NPP	30.05410	76.48020	13:48:08	D	2.40
102	KURUKSHETRA	SHAHBAD	S-NPP	30.08950	76.80250	13:48:08	D	4.40
103	KURUKSHETRA	SHAHBAD	S-NPP	30.13050	76.77190	13:48:08	D	3.30
104	KURUKSHETRA	SHAHBAD	S-NPP	30.19120	76.94960	13:48:08	D	2.30
105	KURUKSHETRA	SHAHBAD	AQUA	30.20500	76.87100	14:14:09	D	18.40
106	KURUKSHETRA	THANESAR	S-NPP	29.92200	76.81700	13:48:08	D	3.90
107	KURUKSHETRA	THANESAR	S-NPP	29.93860	76.70030	13:48:08	D	5.80
108	KURUKSHETRA	THANESAR	S-NPP	29.94850	76.79200	13:48:08	D	0.90
109	KURUKSHETRA	THANESAR	S-NPP	29.97950	76.77070	13:48:08	D	3.00
110	KURUKSHETRA	THANESAR	S-NPP	29.98360	76.77010	13:48:08	D	7.10
111	KURUKSHETRA	THANESAR	S-NPP	30.03660	76.77570	13:48:08	D	10.40
112	PANIPAT	MADLAUDA	S-NPP	29.42900	76.81090	13:48:08	D	5.50
113	PANIPAT	PANIPAT	S-NPP	29.39690	76.93770	13:48:08	D	2.40
114	PANIPAT	PANIPAT	S-NPP	29.46140	77.03150	13:48:08	D	2.10
115	SIRSA	BARAGUNDA	S-NPP	29.81760	75.07030	13:48:08	D	4.80
116	SIRSA	RANIA	S-NPP	29.58210	74.87980	13:48:08	D	7.20
117	YAMUNANAGAR	BILASPUR	S-NPP	30.31120	77.24260	13:48:08	D	4.80
118	YAMUNANAGAR	BILASPUR	S-NPP	30.31170	77.24710	13:48:08	D	4.80
119	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.20270	77.34830	13:48:08	D	5.70
120	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.27810	77.44990	13:48:08	D	4.10
121	YAMUNANAGAR	JAGADHRI	S-NPP	30.09300	77.19290	13:48:08	D	6.80
122	YAMUNANAGAR	SADHAURA	S-NPP	30.42730	77.20630	13:48:08	D	3.30

Details of residue burning events in Uttar Pradesh on 22-Oct-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	KHAIR	S-NPP	27.96840	77.52980	13:48:08	D	3.50
2	ALIGARH	KHAIR	S-NPP	27.97910	77.55020	13:48:08	D	2.70
3	ALIGARH	KHAIR	S-NPP	27.99100	77.66300	13:48:08	D	5.20
4	ETAH	JALESAR	S-NPP	27.46810	78.48360	13:48:08	D	10.20
5	ETAWAH	SAIFAI	S-NPP	26.91840	78.99320	13:48:08	D	7.40
6	ETAWAH	SAIFAI	S-NPP	26.92240	78.98760	13:48:08	D	5.10
7	FATEHPUR	KHAGA	S-NPP	25.91620	81.09550	13:48:08	D	1.40
8	GHAZIABAD	MODINAGAR	S-NPP	28.77160	77.60640	02:38:51	N	0.30
9	MATHURA	CHHATA	S-NPP	27.69340	77.36020	13:48:08	D	4.30
10	MATHURA	MAT	S-NPP	27.92100	77.52720	13:48:08	D	1.10
11	PILHIBHIT	BISALPUR	S-NPP	28.24340	79.96770	13:48:08	D	4.30
12	PILHIBHIT	BISALPUR	S-NPP	28.26410	79.97770	13:48:08	D	2.30
13	PILHIBHIT	PURANPUR	S-NPP	28.36080	80.20520	13:48:08	D	4.00
14	PILHIBHIT	PURANPUR	S-NPP	28.42080	80.14770	13:48:08	D	5.00
15	PILHIBHIT	PURANPUR	S-NPP	28.42190	80.15180	13:48:08	D	8.00
16	RAMPUR	BILASPUR	S-NPP	28.78530	79.28570	02:38:51	N	0.80
17	SHAHJAHANPUR	PUWANYA	S-NPP	28.27810	80.18880	13:48:08	D	8.40
18	SHARANPUR	NAKUR	S-NPP	29.78590	77.19100	13:48:08	D	3.50

Details of residue burning events in Rajasthan on 22-Oct-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BUNDI	KESHORAIPATAN	S-NPP	25.27230	76.00070	13:48:08	D	6.00
2	BUNDI	KESHORAIPATAN	S-NPP	25.37080	76.01760	13:48:08	D	3.40
3	BUNDI	KESHORAIPATAN	S-NPP	25.44330	76.04320	13:48:08	D	2.50
4	BUNDI	KESHORAIPATAN	S-NPP	25.44570	76.06280	13:48:08	D	31.00
5	HANUMANGARH	HANUMANGARH	S-NPP	29.50370	74.16870	13:48:08	D	3.30
6	HANUMANGARH	TIBI	S-NPP	29.47610	74.51060	13:48:08	D	2.50
7	JHALAWAR	PIDDAWA	S-NPP	24.22150	75.95710	13:48:08	D	3.20
8	KOTA	DIGOD	S-NPP	25.23080	76.03160	13:48:08	D	5.80
9	KOTA	LADPURA	S-NPP	24.89880	75.95260	13:48:08	D	2.50
10	KOTA	LADPURA	S-NPP	25.14470	75.98870	13:48:08	D	3.50
11	KOTA	LADPURA	S-NPP	25.24960	75.94030	13:48:08	D	3.30
12	KOTA	PIPALDA	S-NPP	25.44180	76.40190	13:48:08	D	3.80

Details of residue burning events in Madhya Pradesh on 22-Oct-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BHIND	LAHAR	S-NPP	26.11670	78.84860	13:48:08	D	2.20
2	BHIND	MAHGAWAN	S-NPP	26.57710	78.53390	13:48:08	D	2.80
3	BHOPAL	BERASIYA	S-NPP	23.46820	77.34750	13:48:08	D	4.60
4	CHHINDWARA	AMARWARA	S-NPP	22.31920	79.28010	13:48:08	D	2.60
5	DAMOH	JABERA	S-NPP	23.52360	79.68460	13:48:08	D	4.40
6	DAMOH	JABERA	S-NPP	23.59370	79.82170	13:48:08	D	3.60
7	DATIA	SEONDHA	S-NPP	25.86600	78.49500	13:48:08	D	2.10
8	GUNA	ARON	S-NPP	24.31040	77.49490	13:48:08	D	2.30
9	GUNA	ARON	S-NPP	24.31310	77.49690	13:48:08	D	4.20
10	HARDA	HARDA	S-NPP	22.32840	76.96170	13:48:08	D	3.00
11	HARDA	HARDA	S-NPP	22.37610	77.00470	13:48:08	D	3.20
12	HARDA	TIMURNI	S-NPP	22.37380	77.23370	13:48:08	D	4.00
13	HOSHANGABAD	SEONI MALWA	S-NPP	22.36820	77.38010	13:48:08	D	4.30
14	HOSHANGABAD	SOHAGPUR	S-NPP	22.69570	78.09360	13:48:08	D	2.00
15	MORENA	JORA	S-NPP	26.37930	77.72890	13:48:08	D	2.00
16	MORENA	KAILARAS	S-NPP	26.22610	77.54610	13:48:08	D	2.00
17	MORENA	KAILARAS	S-NPP	26.32950	77.69780	13:48:08	D	2.60
18	NARSHIMAPURA	NARSIMHAPUR	S-NPP	23.04650	79.18150	13:48:08	D	0.90
19	RAISEN	BAGAMGANJ	S-NPP	23.52800	78.37050	13:48:08	D	3.50
20	SAGAR	BINA	S-NPP	24.26080	78.23850	13:48:08	D	1.60
21	SAGAR	SAGAR	S-NPP	23.75540	78.52590	13:48:08	D	2.00
22	SEHORE	BUDHNI	S-NPP	22.69940	77.55740	13:48:08	D	5.90
23	SEHORE	BUDHNI	S-NPP	22.77400	77.42040	13:48:08	D	5.60
24	SEHORE	NASRULLAHGANJ	S-NPP	22.70220	77.38270	13:48:08	D	3.40
25	SEONI	LAKHNADOU	S-NPP	22.28370	79.35760	13:48:08	D	2.10
26	SEONI	LAKHNADOU	S-NPP	22.44300	79.39360	13:48:08	D	3.70
27	SEONI	LAKHNADOU	S-NPP	22.61780	79.59790	13:48:08	D	2.50
28	SEONI	SEONI	S-NPP	22.20170	79.50560	13:48:08	D	5.20
29	SEONI	SEONI	S-NPP	22.20200	79.50470	13:48:08	D	3.90
30	VIDESHA	KORWAI	S-NPP	24.03660	78.25950	13:48:08	D	2.60
31	VIDESHA	NATERAN	S-NPP	23.81010	77.70230	13:48:08	D	3.40

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**

Study Team

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GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)

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