



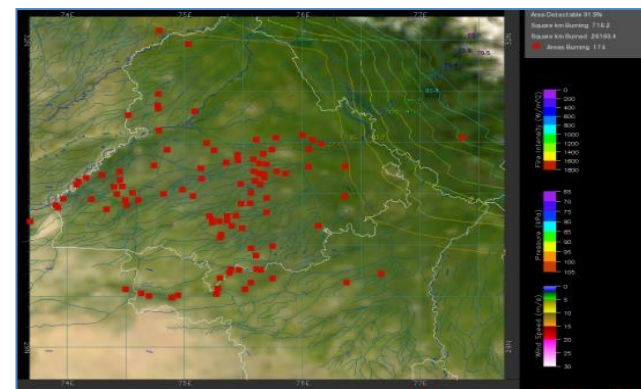
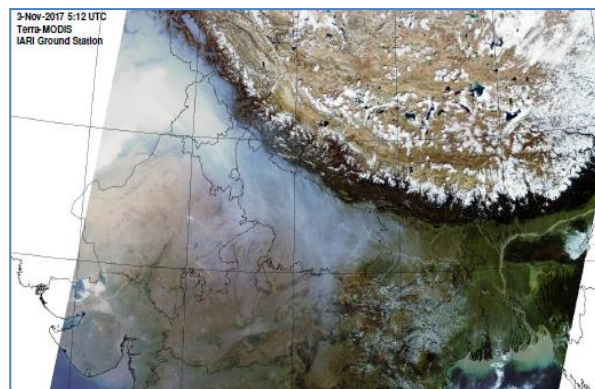
**Bulletin
No. 37**

**Events Date:
21-Oct-2021**

**Issued on:
21-Oct-2021**



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



Prepared by:

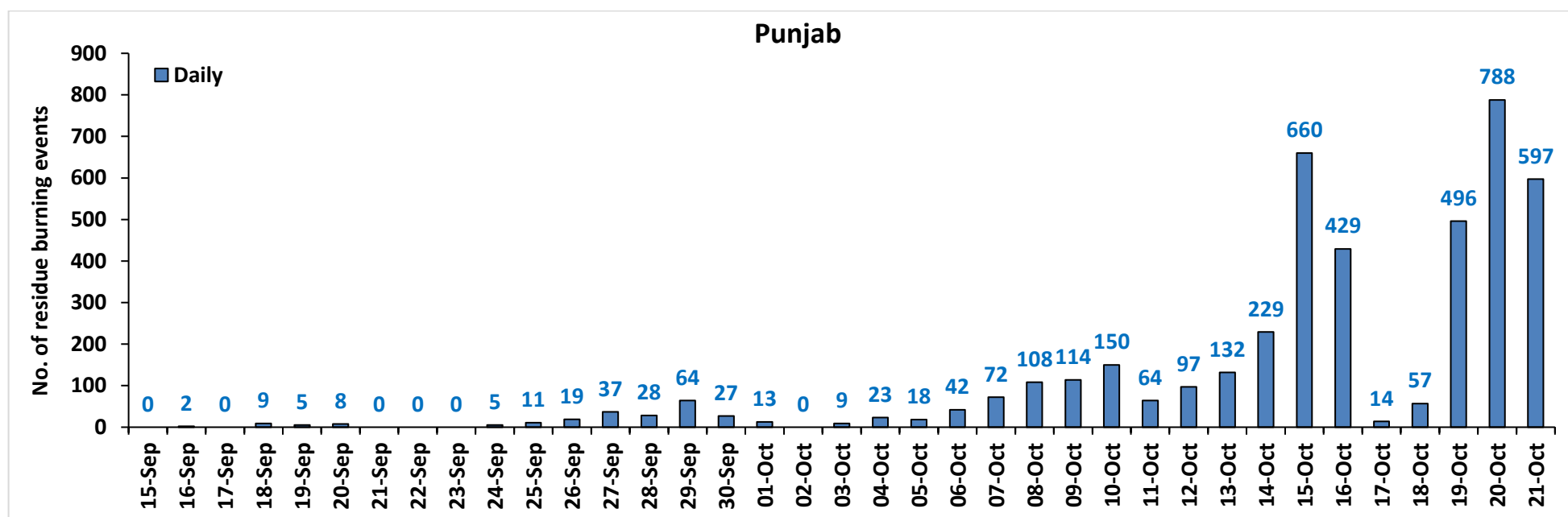
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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

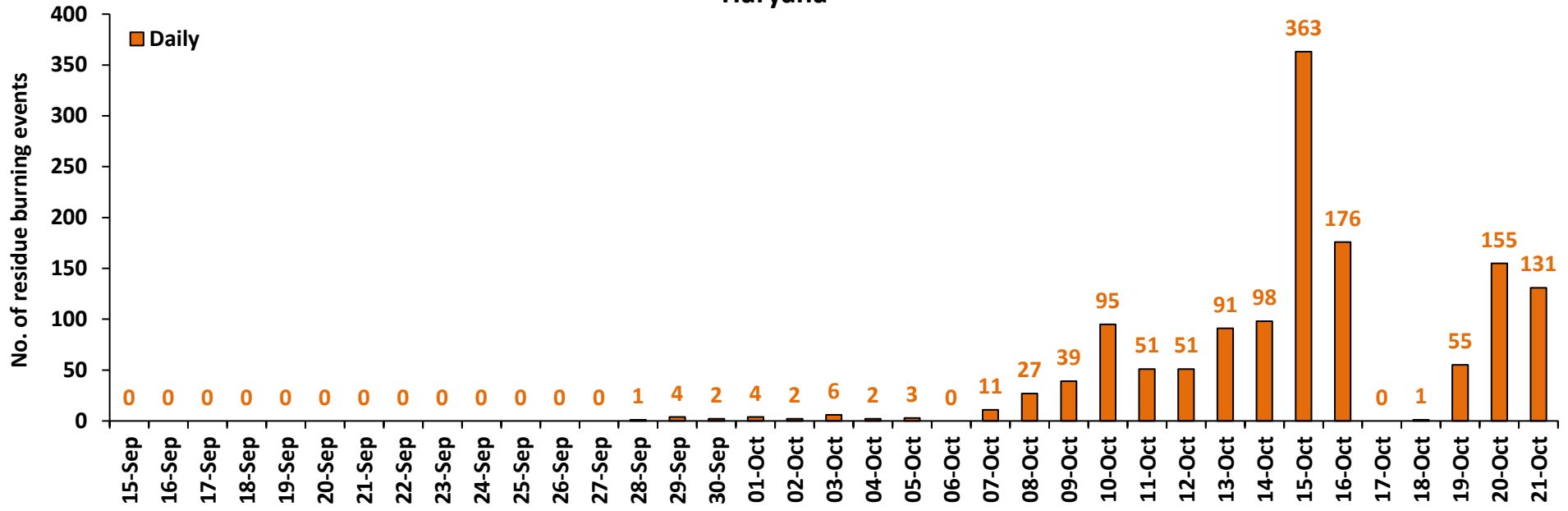
Highlights for 21-October-2021

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **765** residue burning events in the six study States on 21-Oct-2021.
- The state wise events detected on 21-Oct-2021 were **597** in Punjab, **131** in Haryana, **5** in UP, **0** in Delhi, **2** in Rajasthan and **30** in MP.
- The number of events has decreased from **969** on 20-Oct-2021 to **765** on 21-Oct-2021 in the six study states.
- Total **6502** burning events were detected in the six states between 15-Sept-2021 and 21-Oct-2021, which are distributed as **4327**, **1368**, **631**, **0**, **40** and **136** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **52.5%** less than in 2020 till date. Punjab recorded **59.9%** reduction, Haryana recorded **3.0%** increase, UP recorded **13.4%** increase, Delhi recorded **100%** reduction, Rajasthan recorded **88.9%** reduction and MP recorded **78.8%** reduction, in the current season than in 2020.

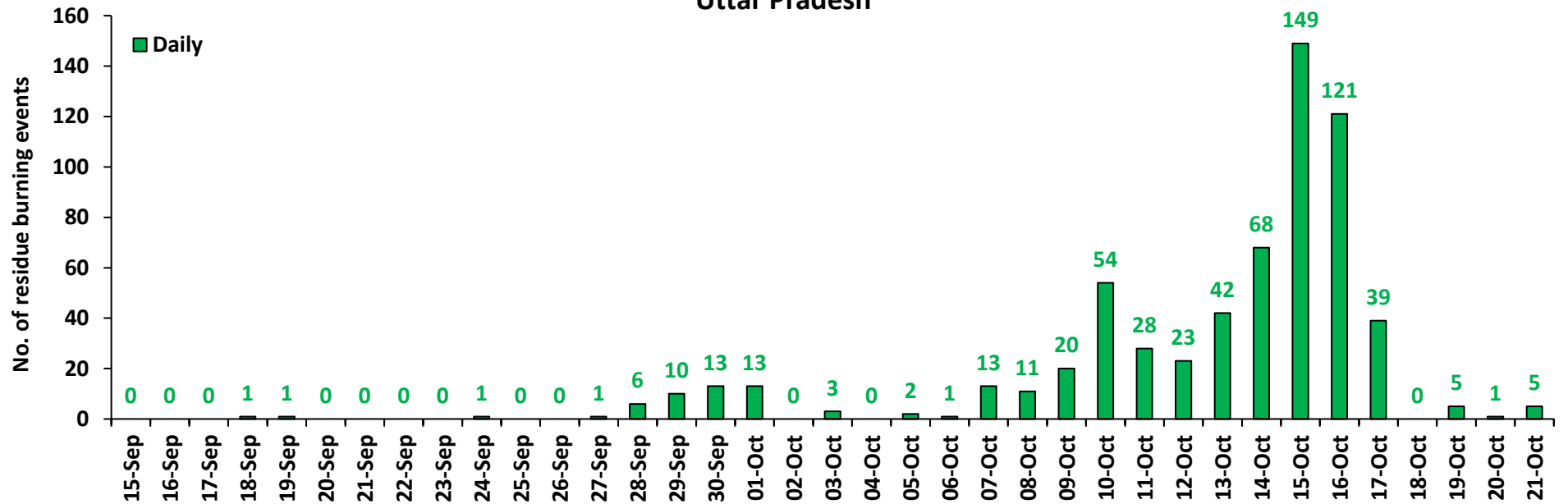
Temporal distribution of rice residue burning events for the study States in 2021



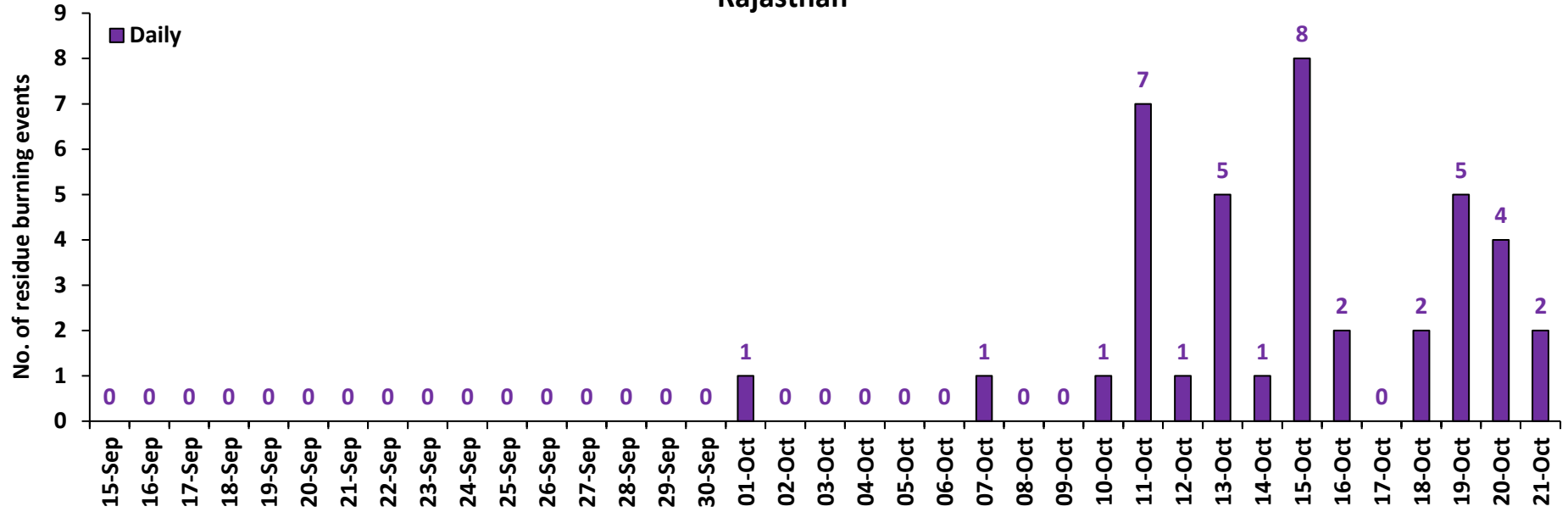
Haryana



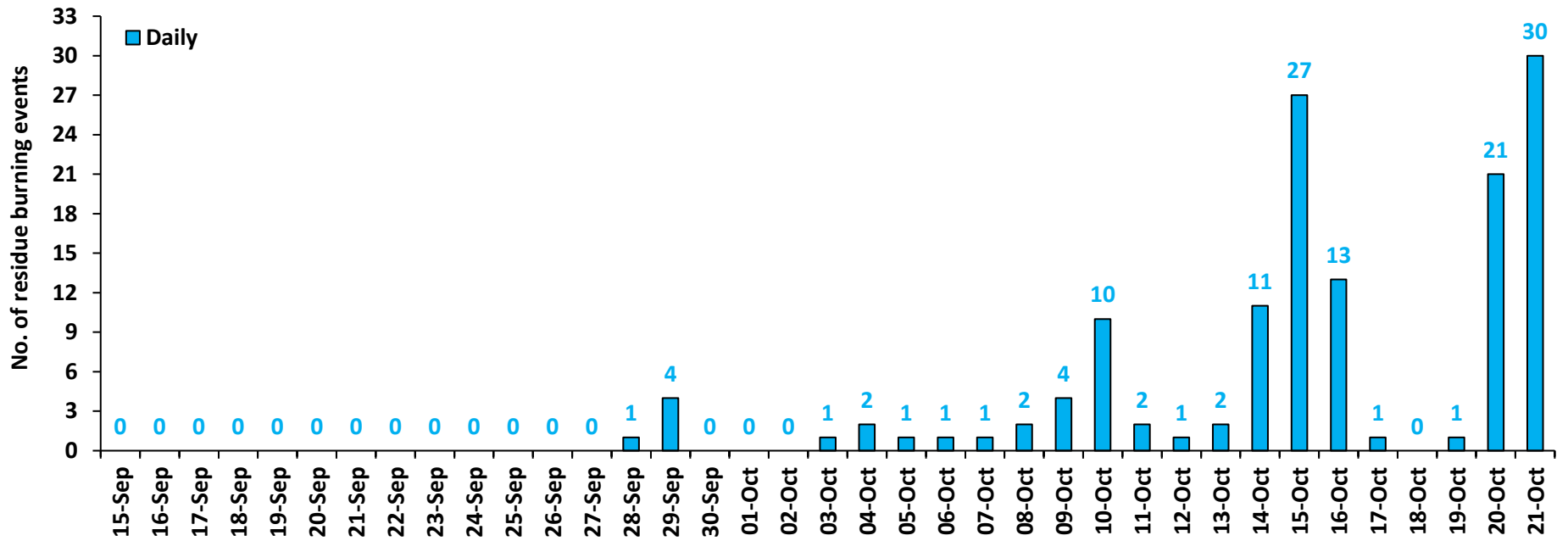
Uttar Pradesh



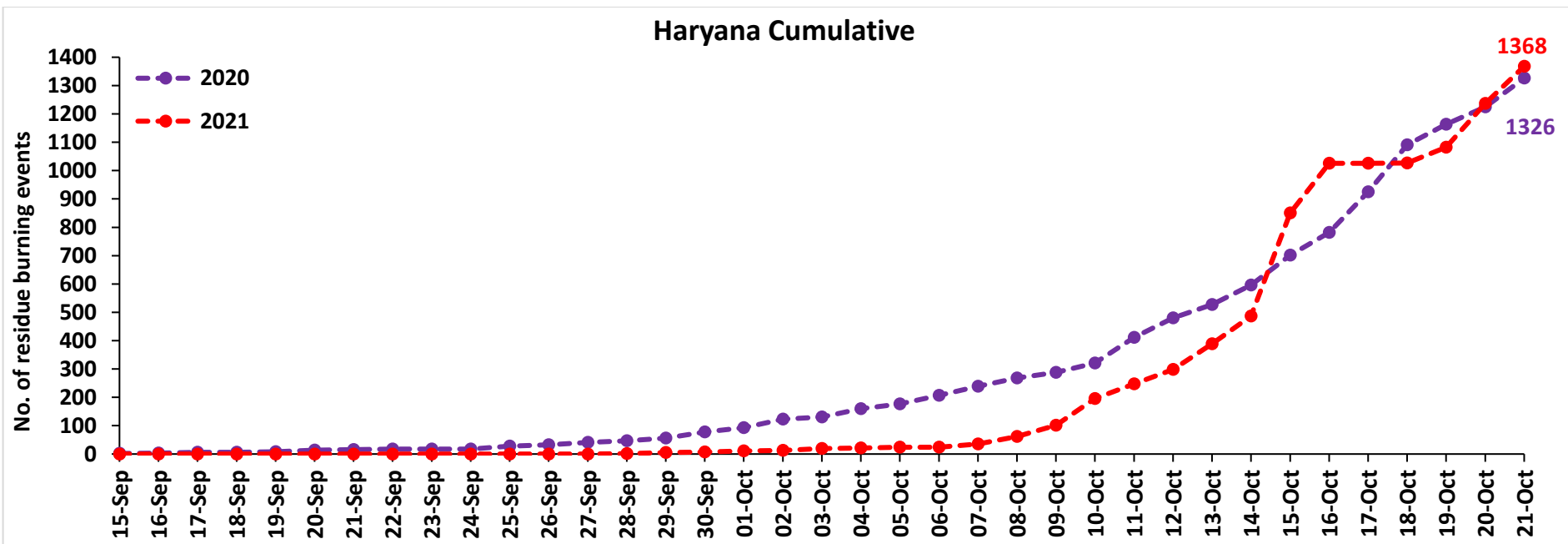
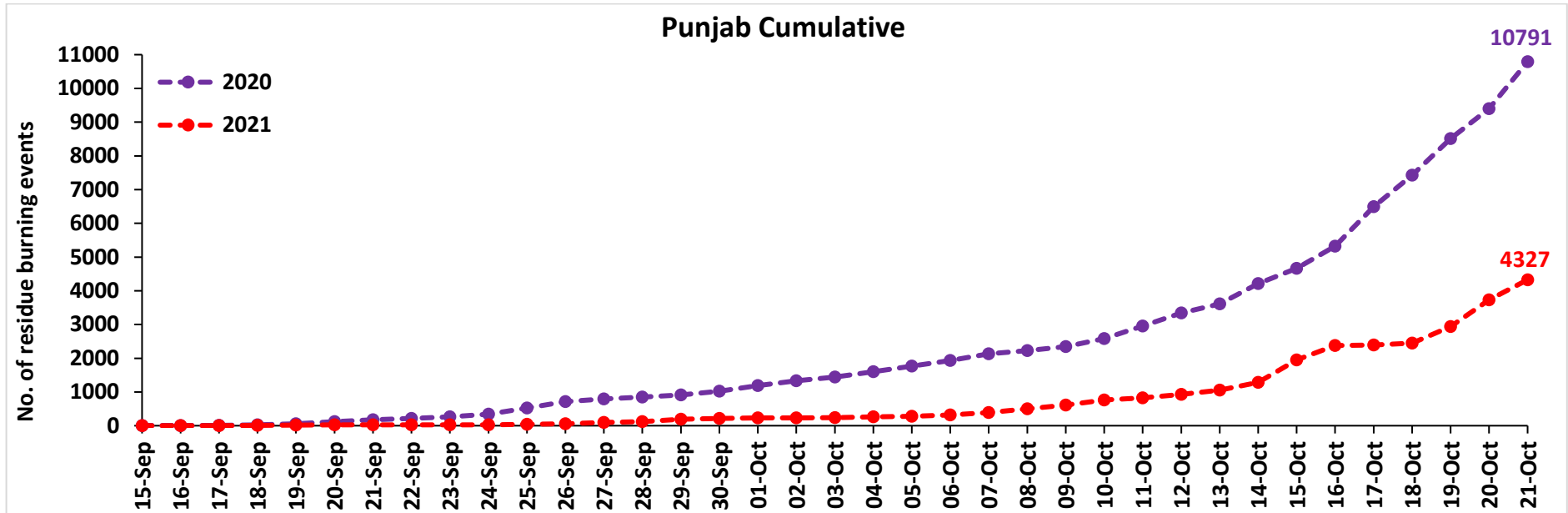
Rajasthan



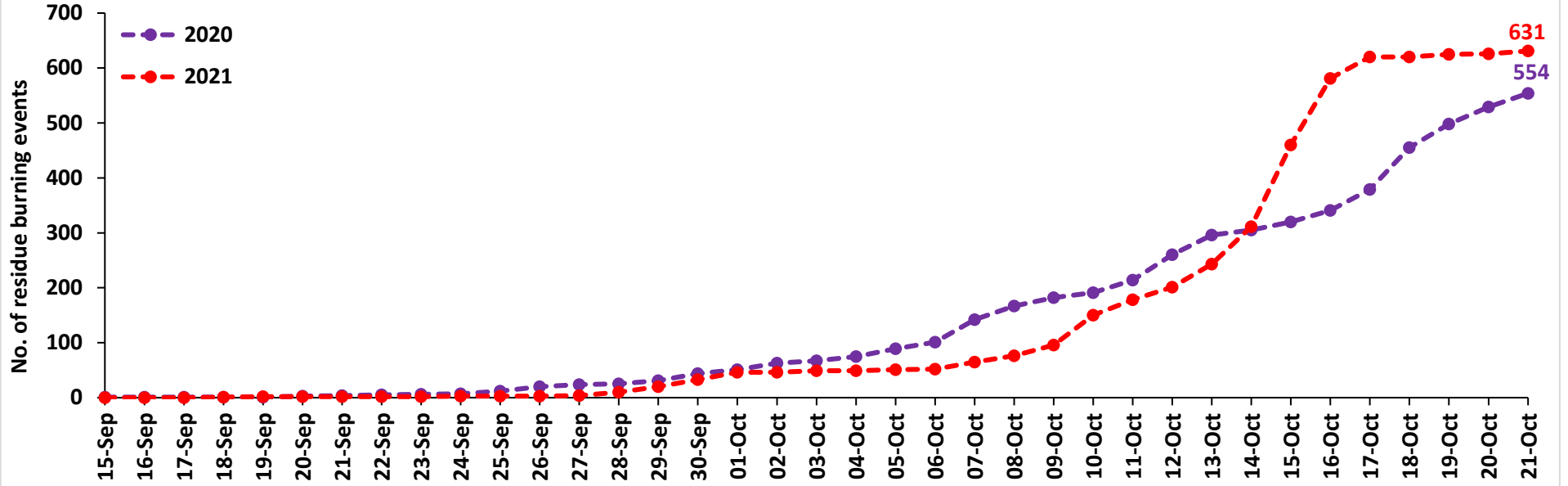
Madhya Pradesh



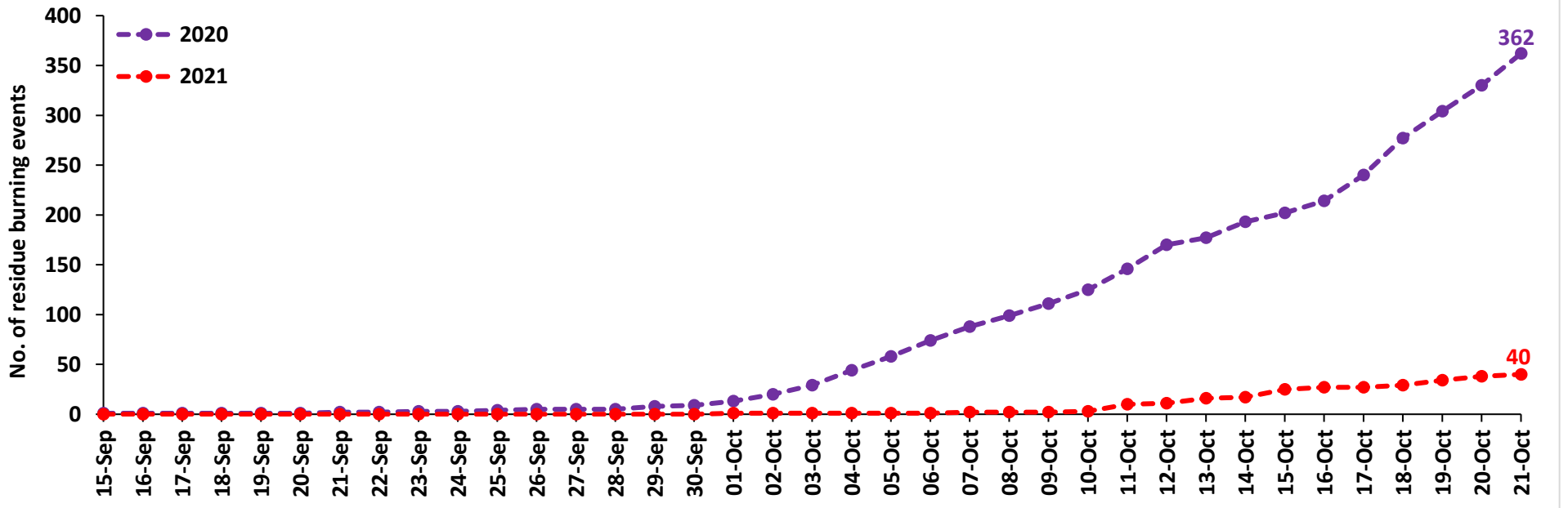
Comparison of residue burning events in current year (2021) with previous year (2020) for the study States



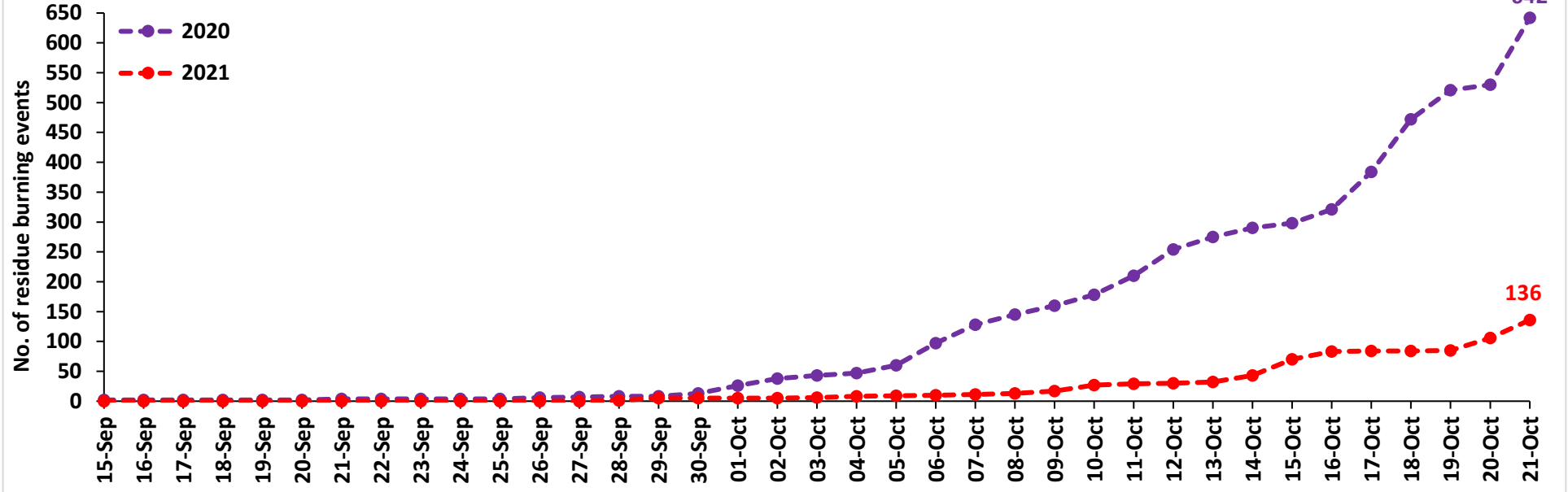
Uttar Pradesh Cumulative



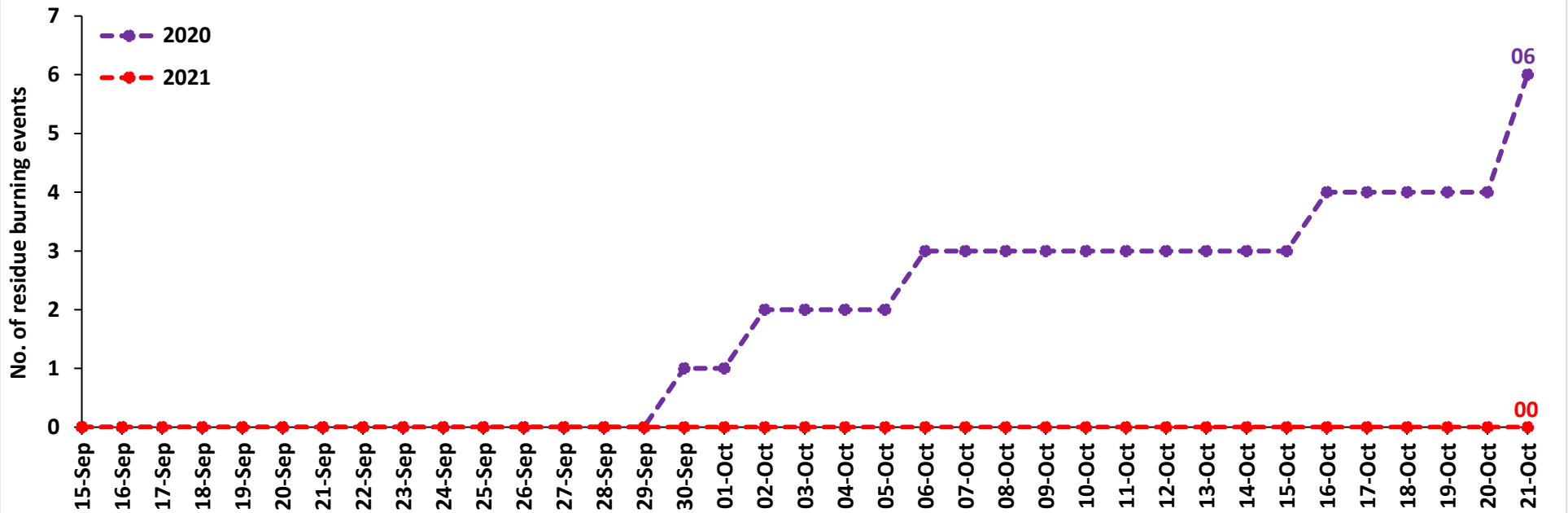
Rajasthan Cumulative



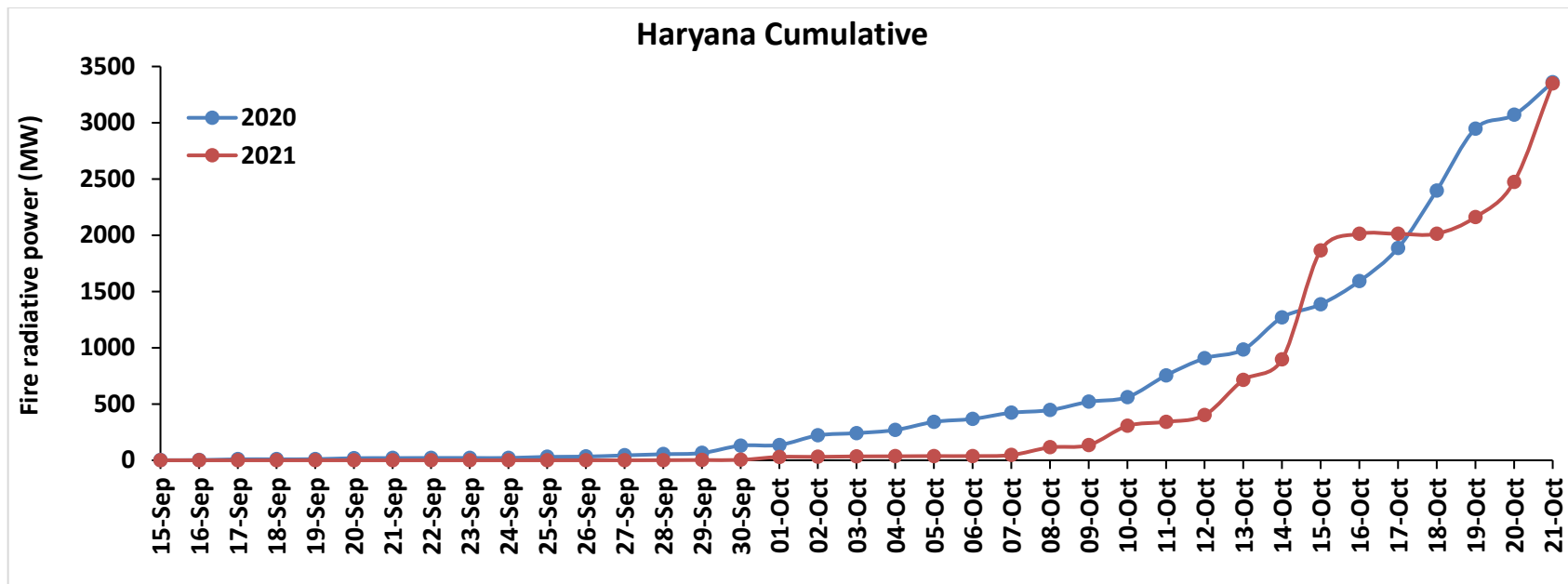
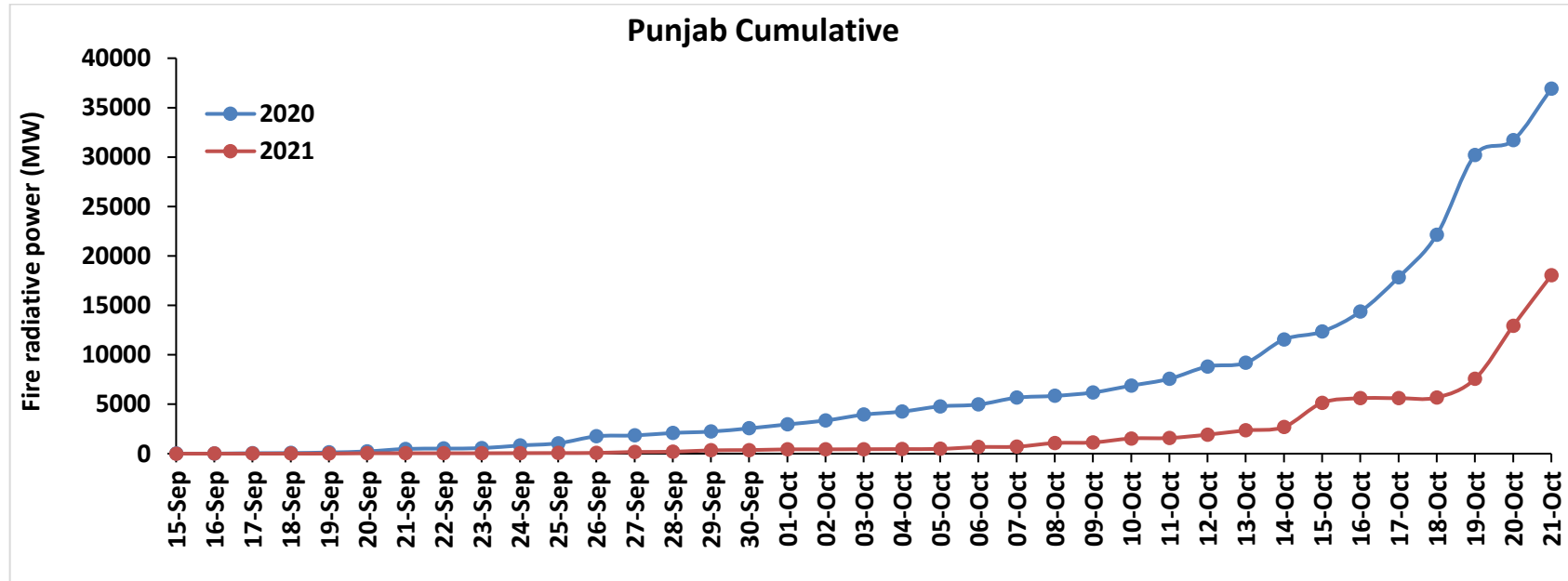
Madhya Pradesh Cumulative



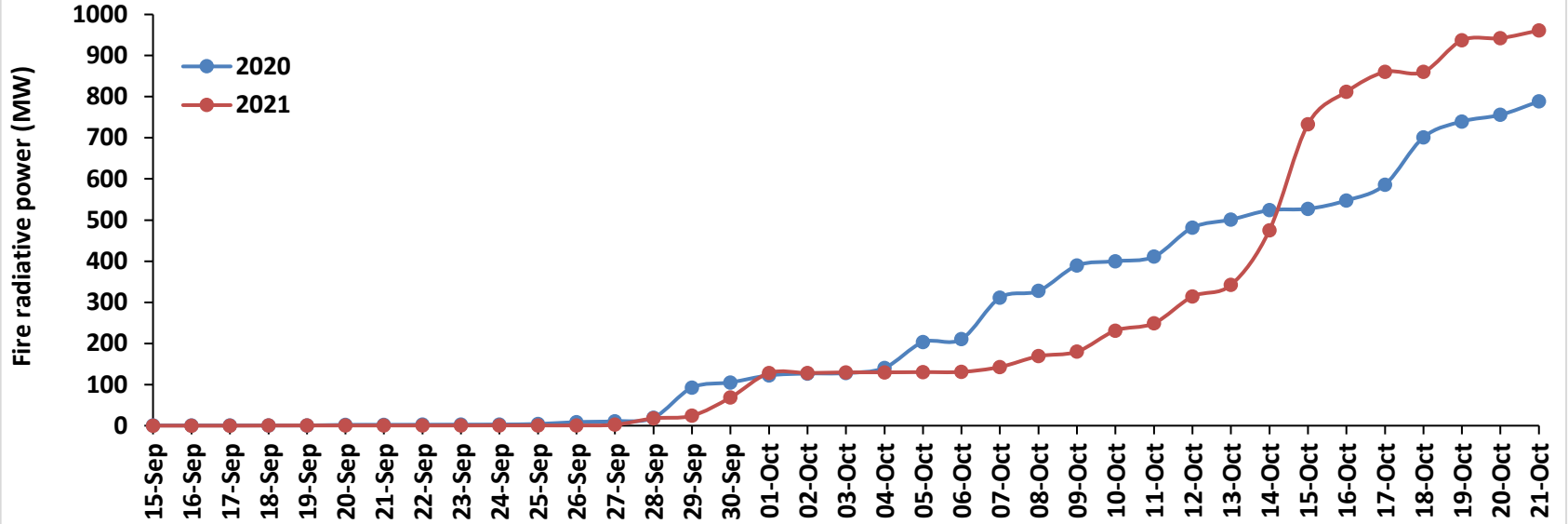
Delhi Cumulative



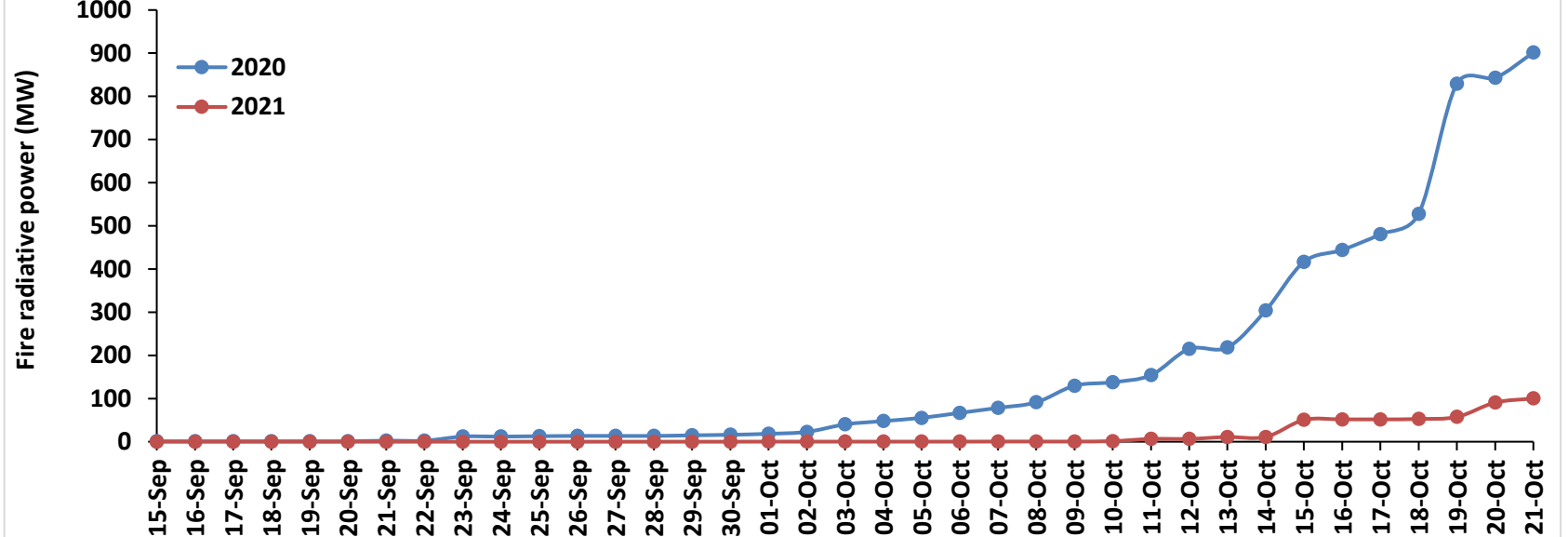
Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

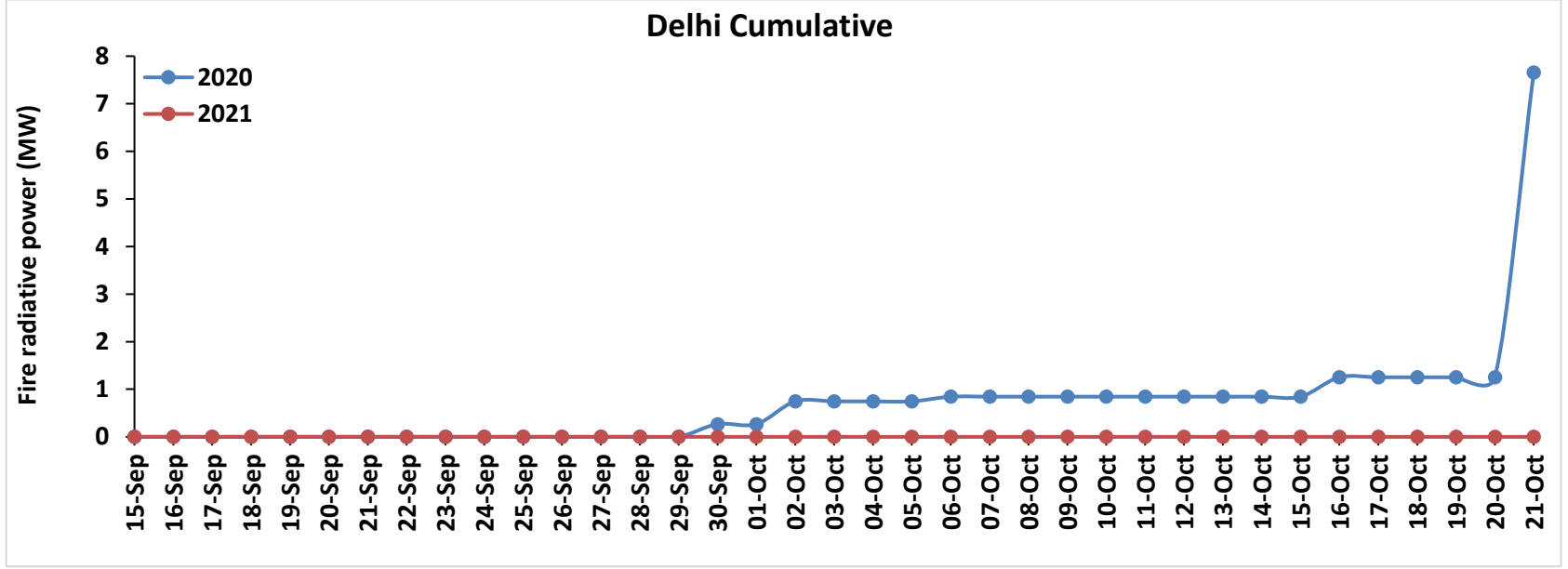
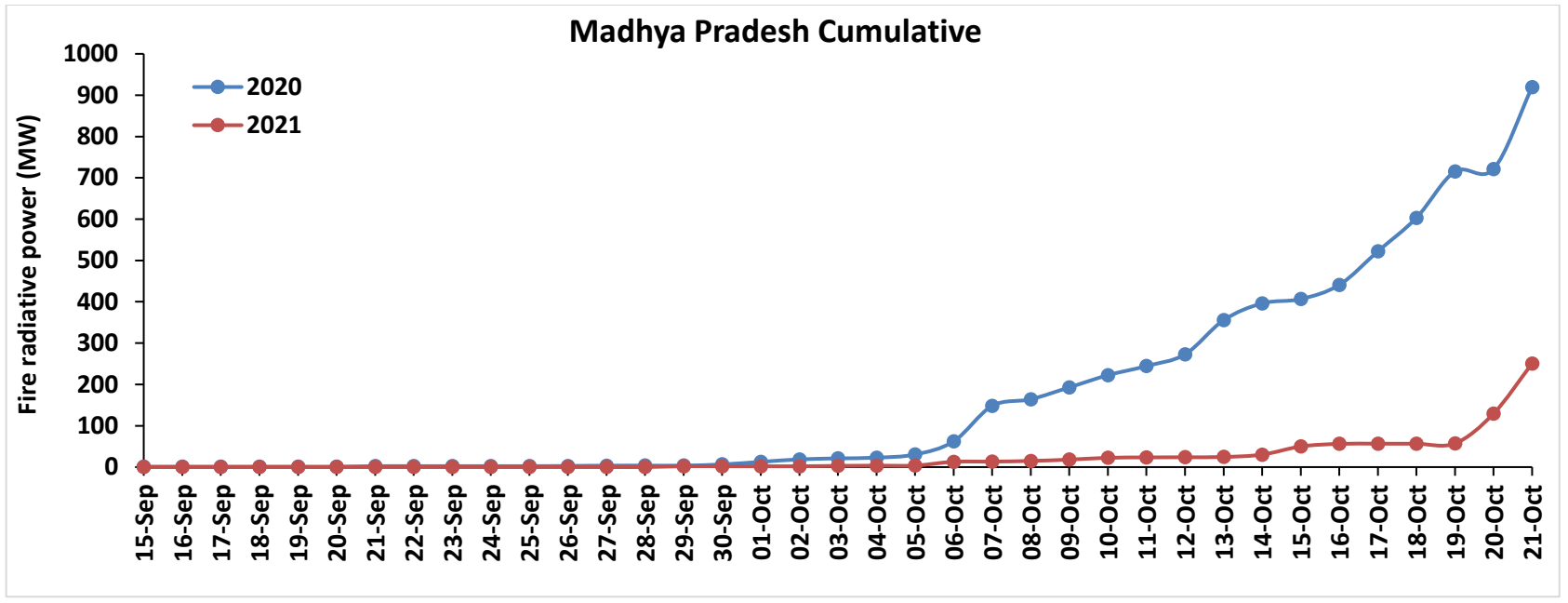


Uttar Pradesh Cumulative



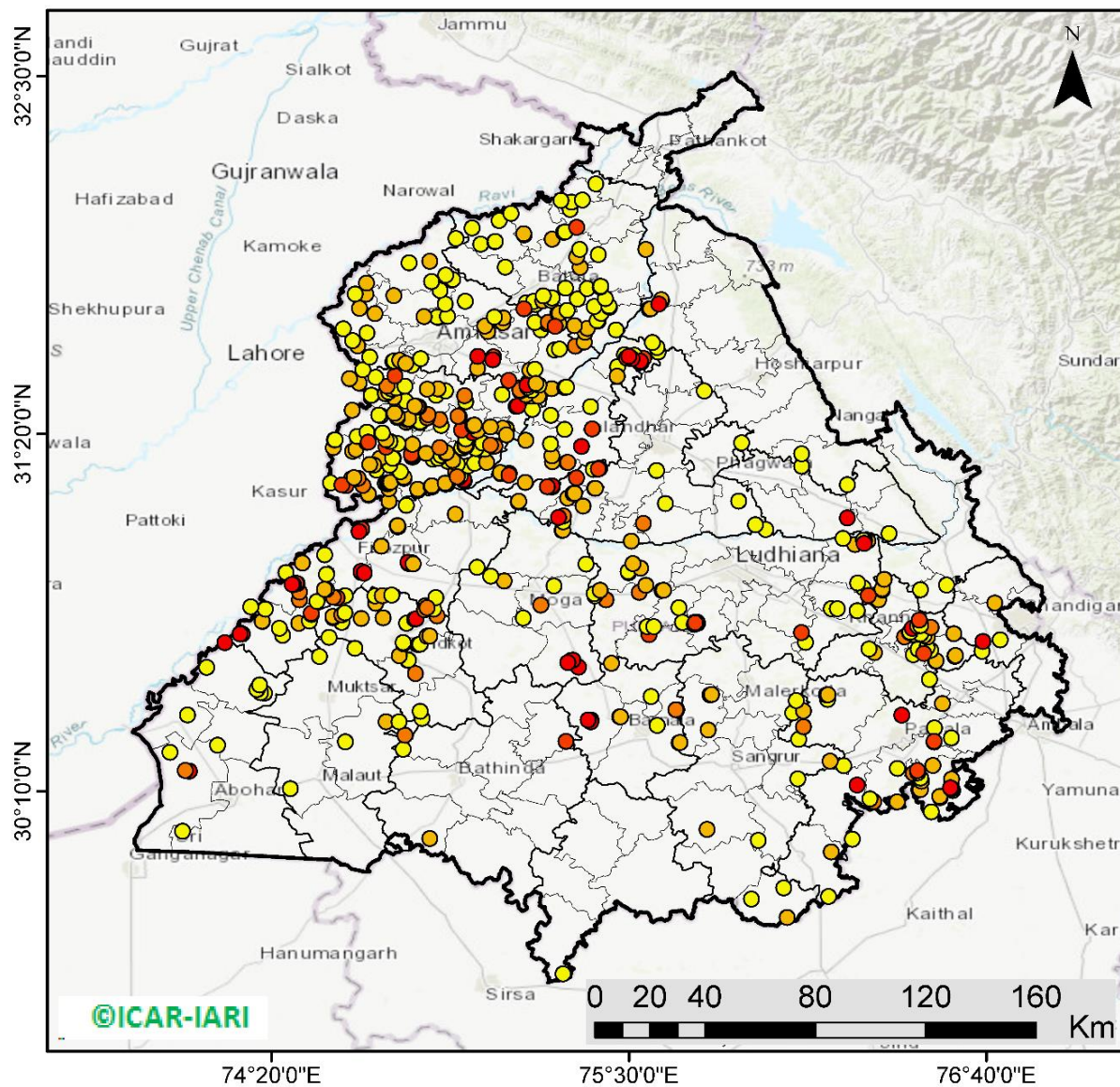
Rajasthan Cumulative





Punjab

RICE RESIDUE BURNING IN PUNJAB



597 burning events detected in Punjab on 21st October 2021

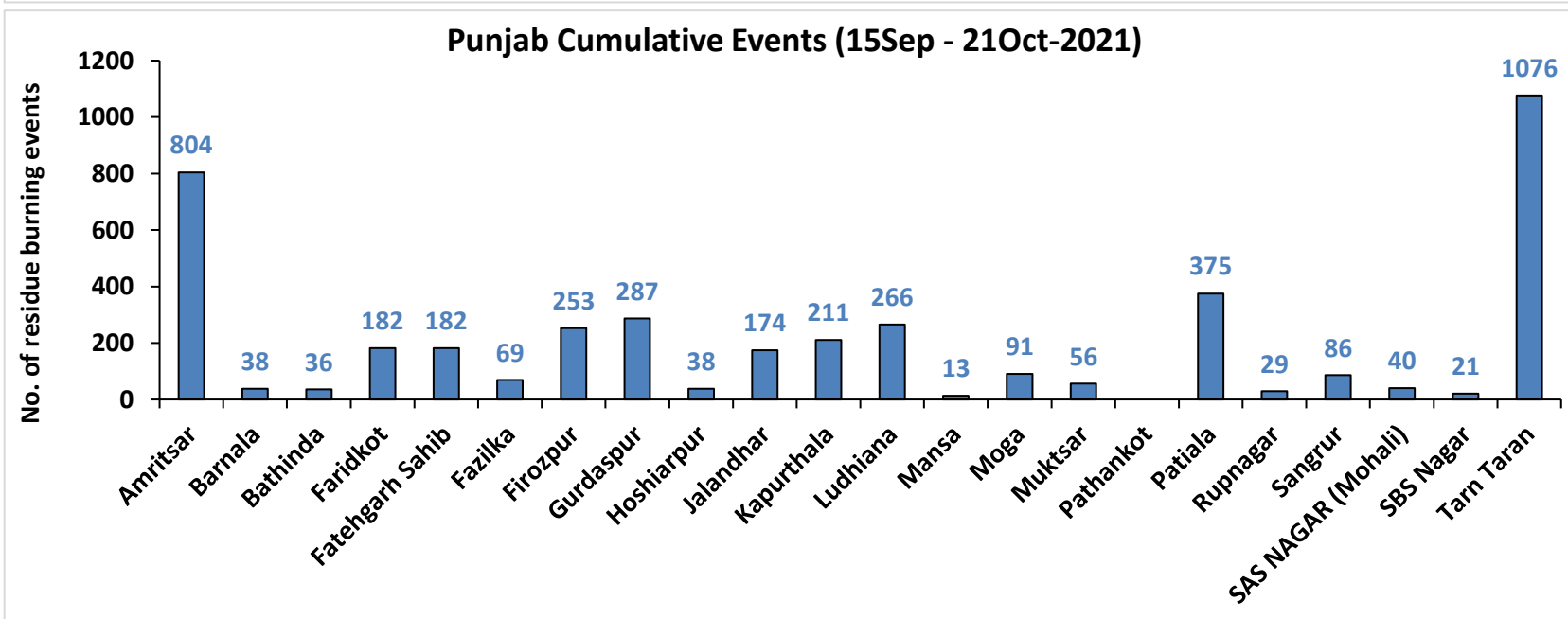
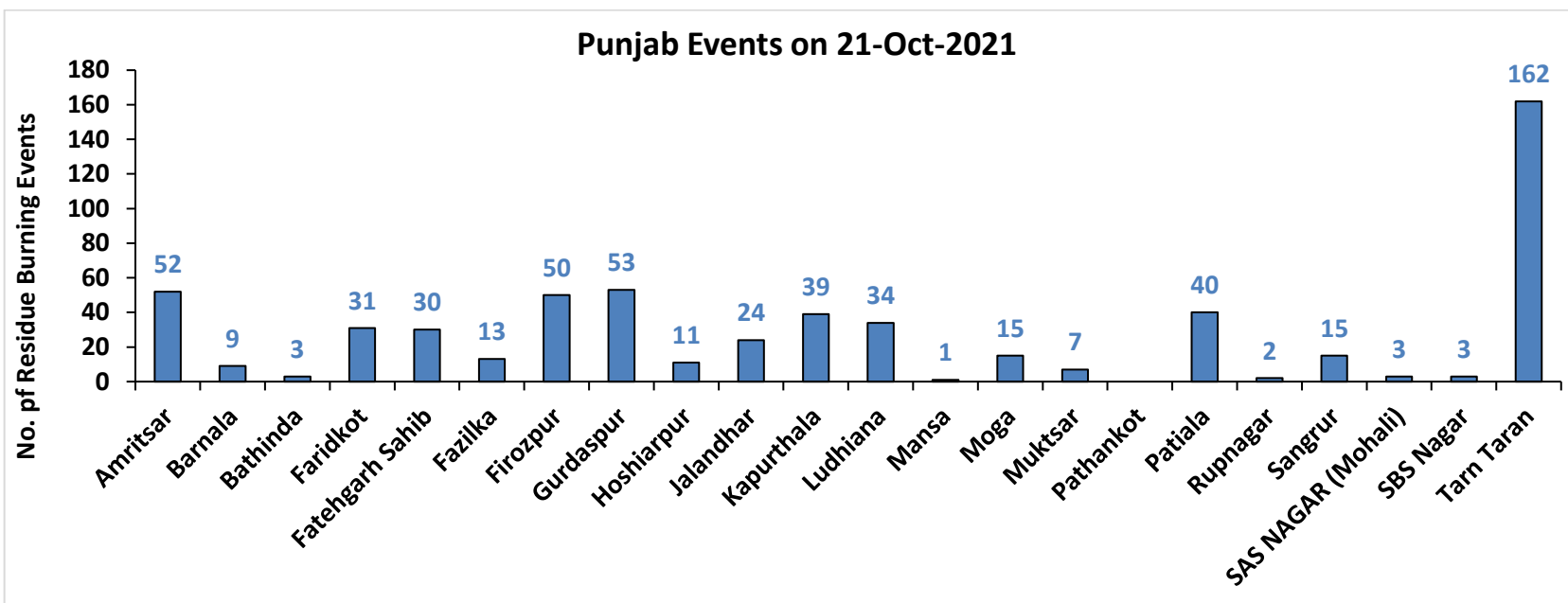
Fire Intensity (W/m²)

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



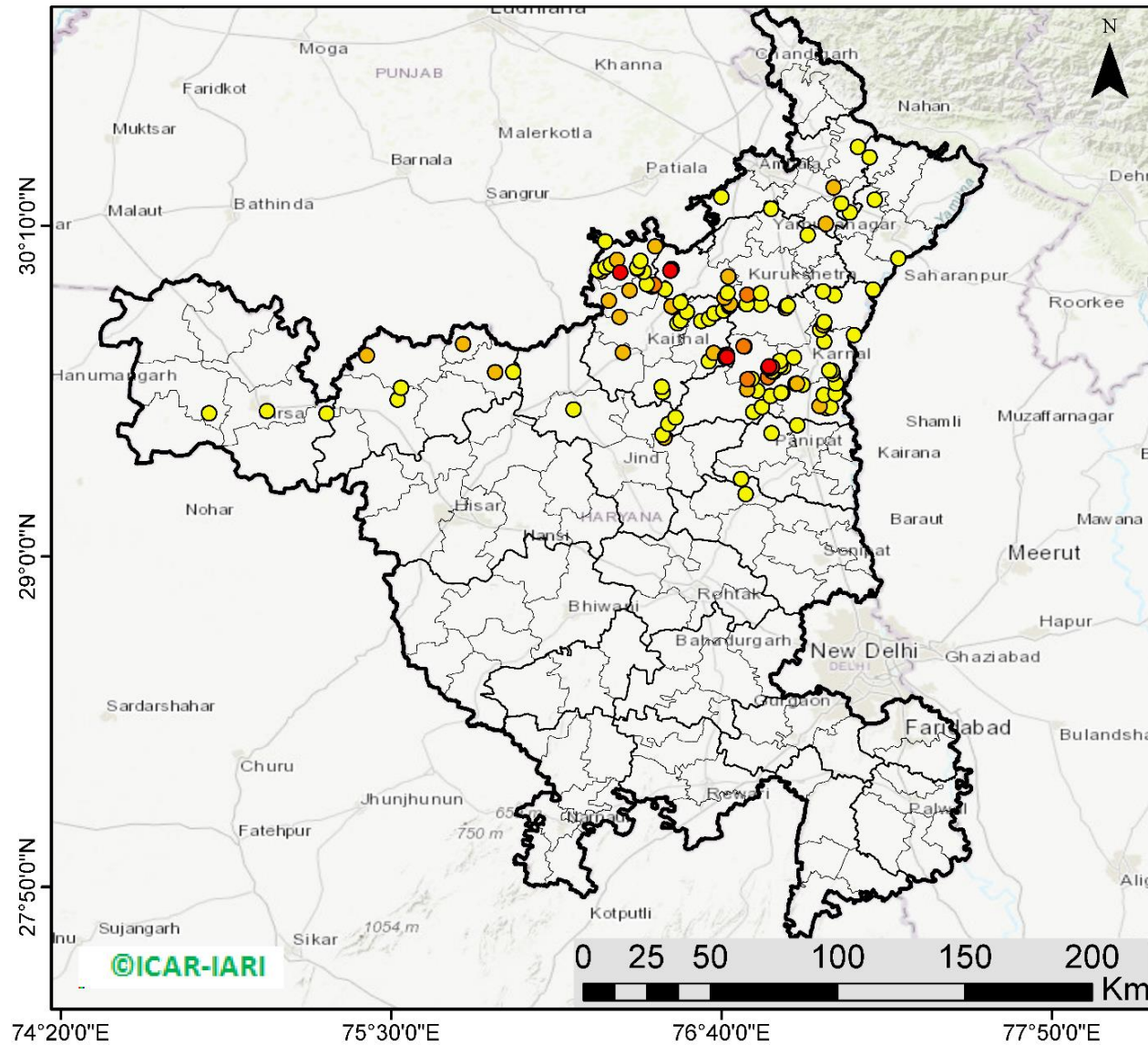
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep – 21 Oct-2021)



Haryana

RICE RESIDUE BURNING IN HARYANA



131 burning events detected in Haryana on 21st October 2021

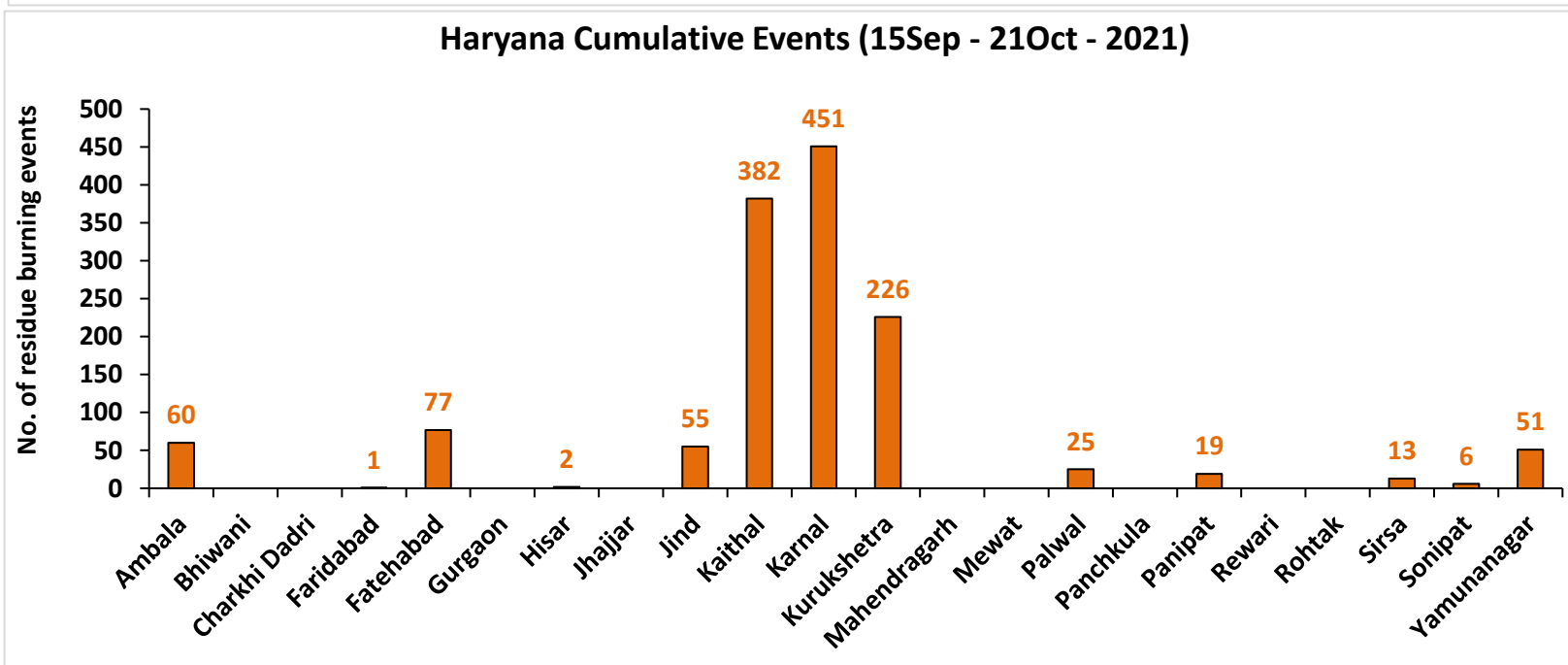
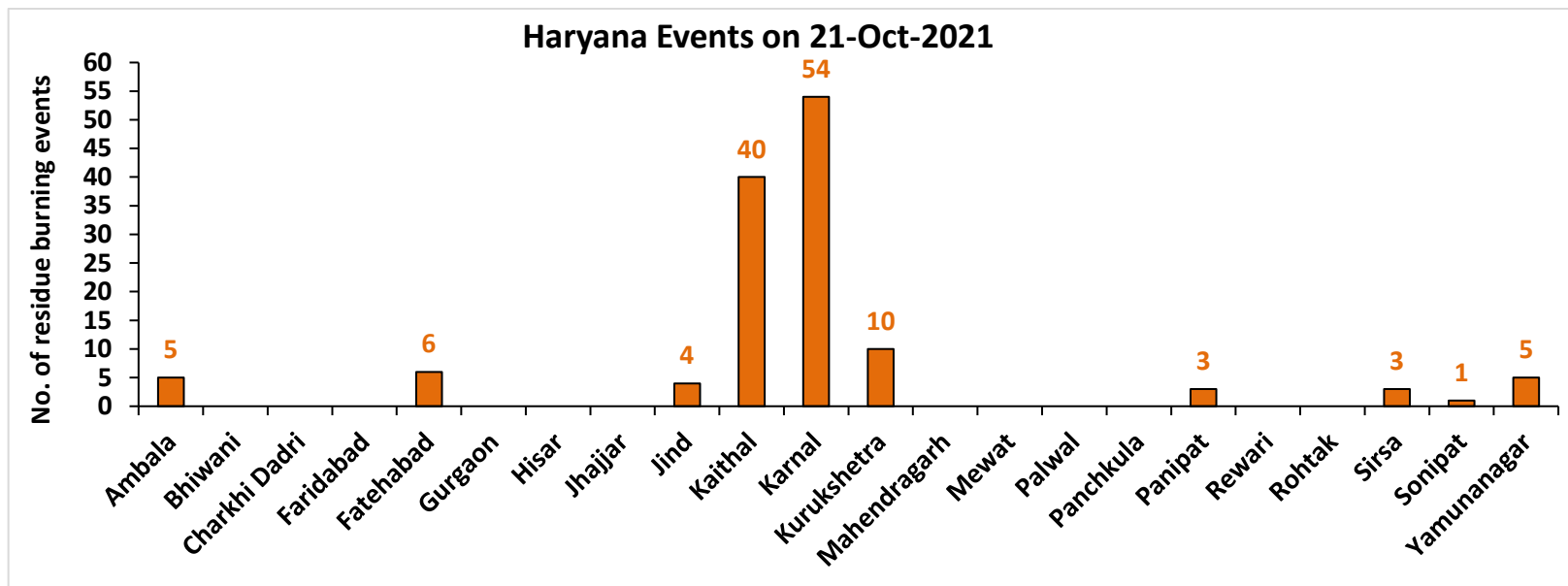
Fire Intensity (W/m²)

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



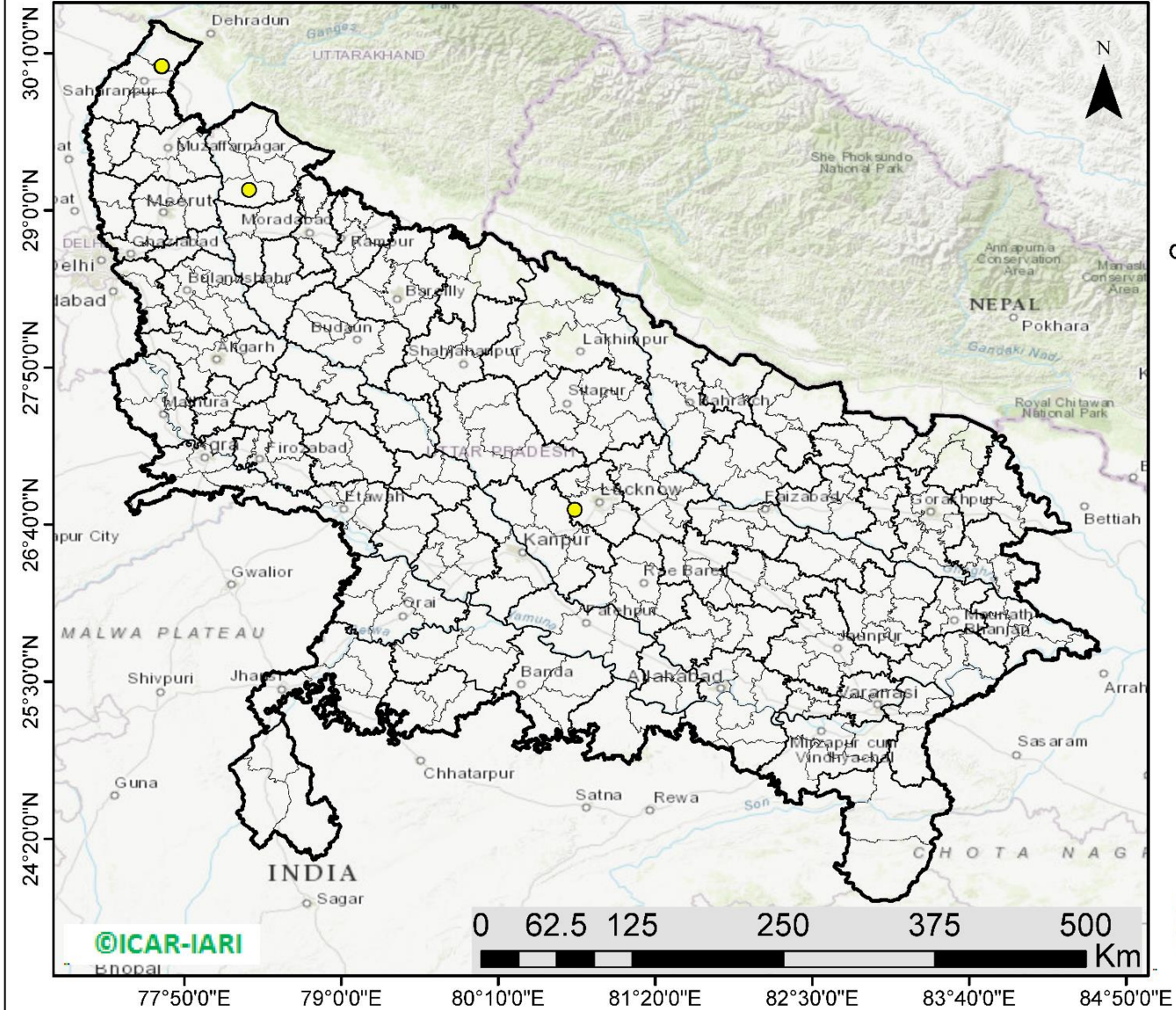
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Haryana (15 Sep - 21 Oct-2021)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



05 burning events detected in Uttar Pradesh on 21st October 2021

Fire Intensity (W/m²)

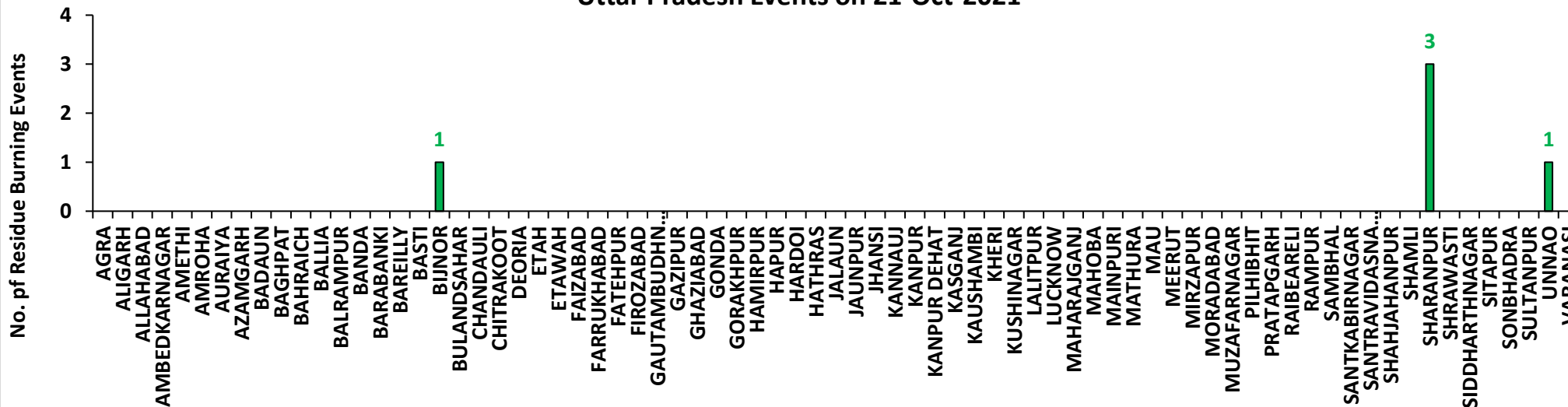
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



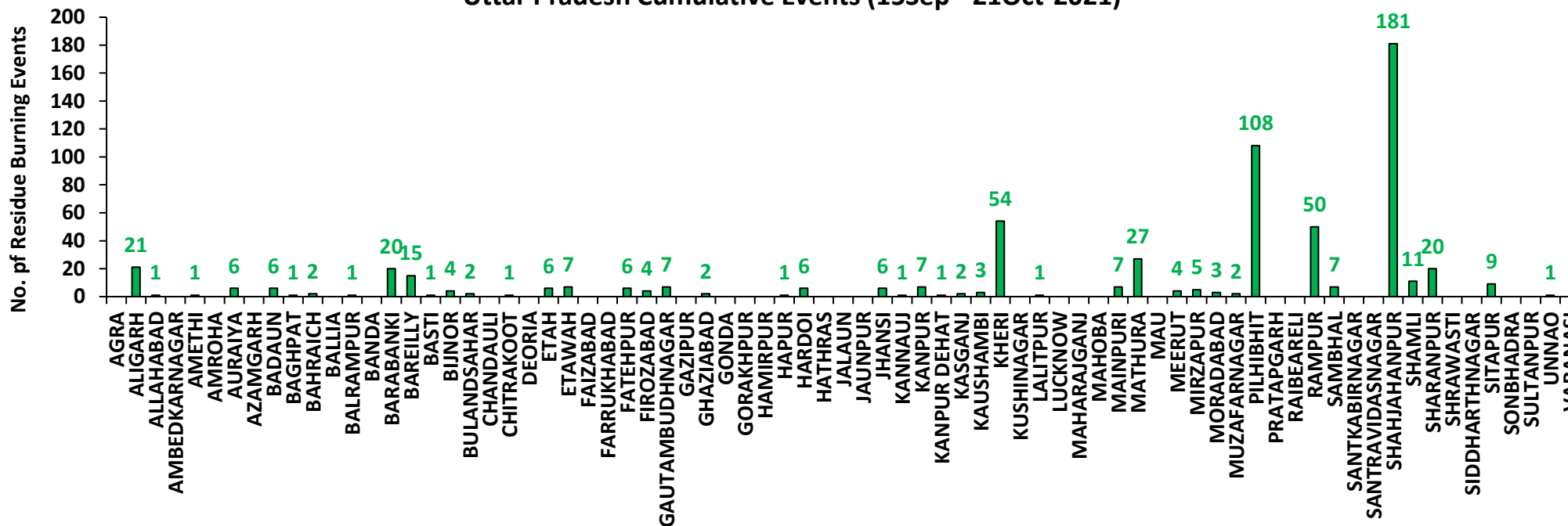
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 21 Oct-2021)

Uttar Pradesh Events on 21-Oct-2021

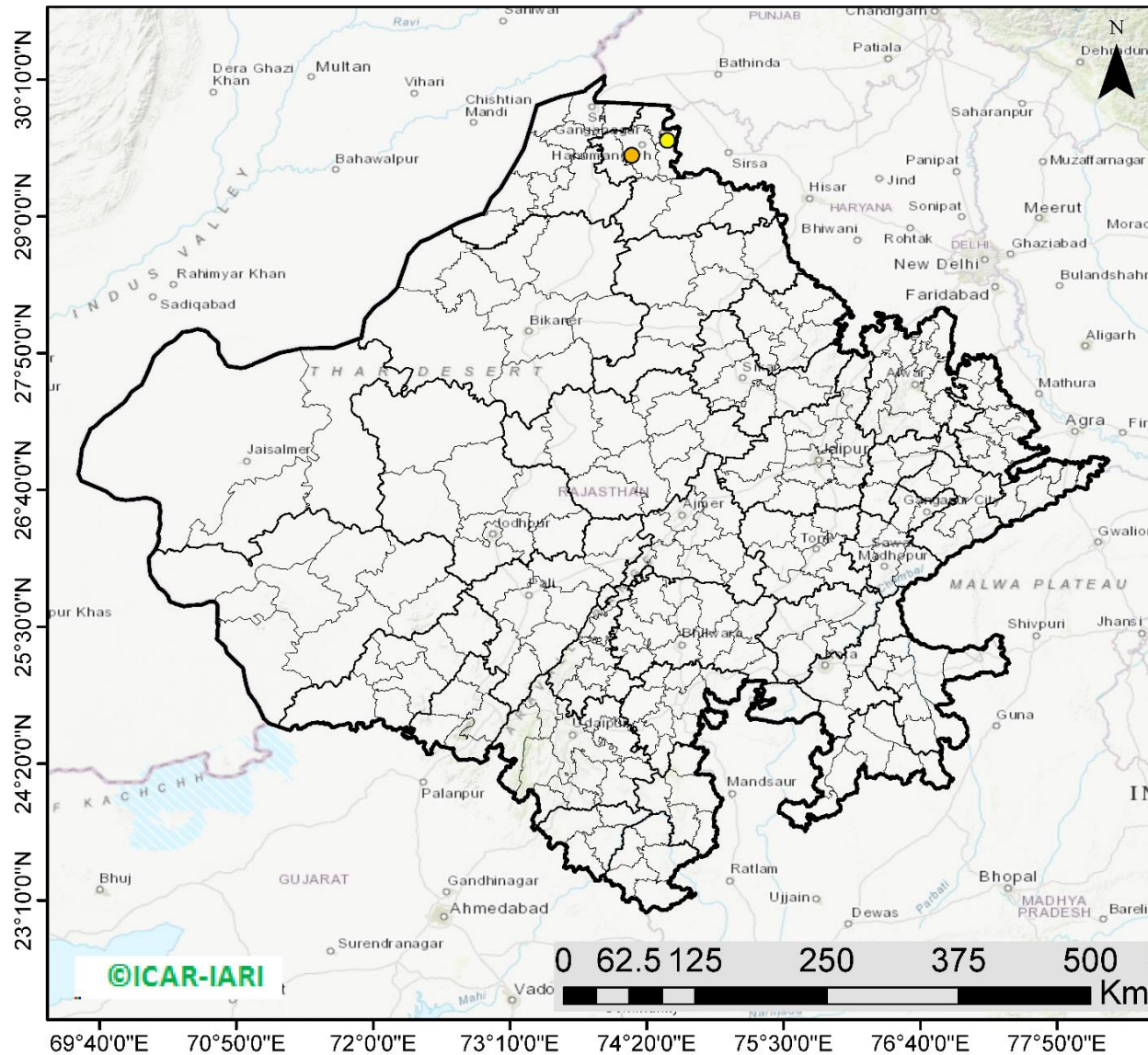


Uttar Pradesh Cumulative Events (15Sep - 21Oct-2021)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



02 burning events detected in Rajasthan on 21st October 2021

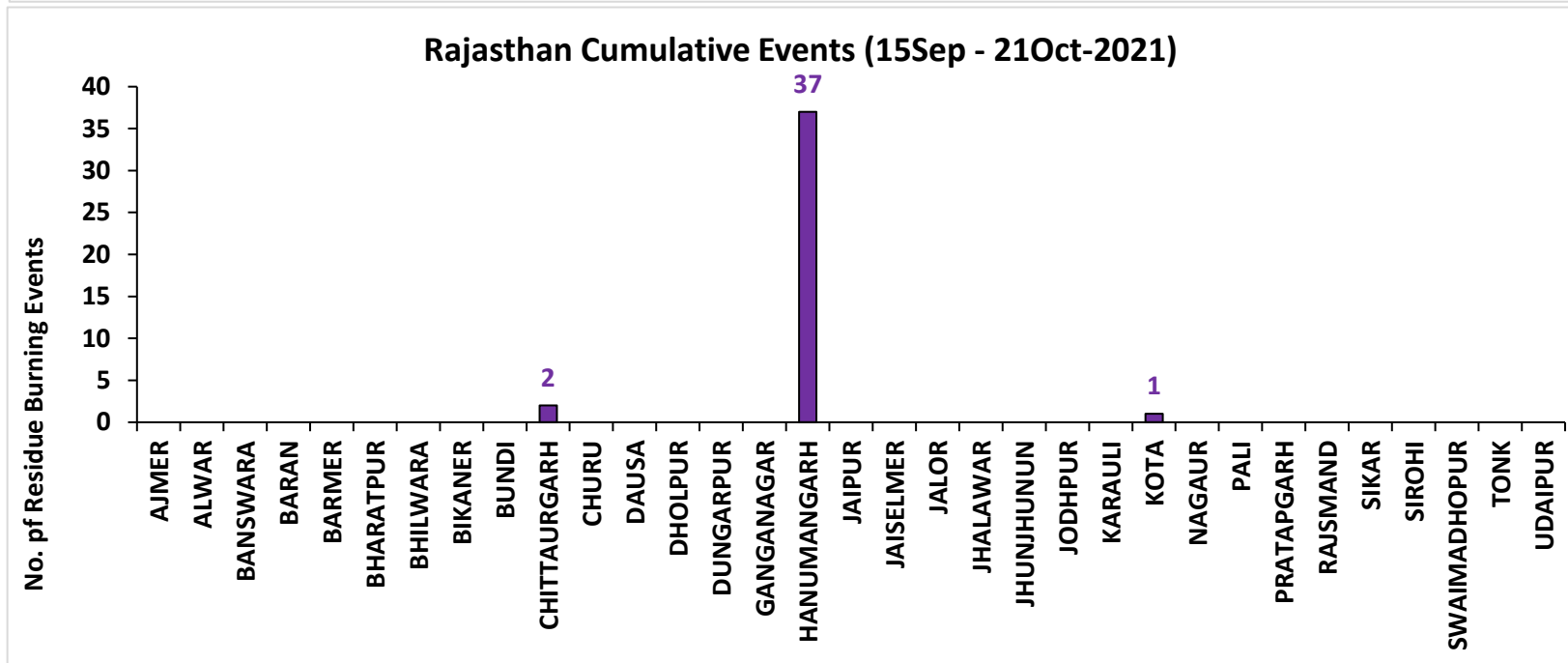
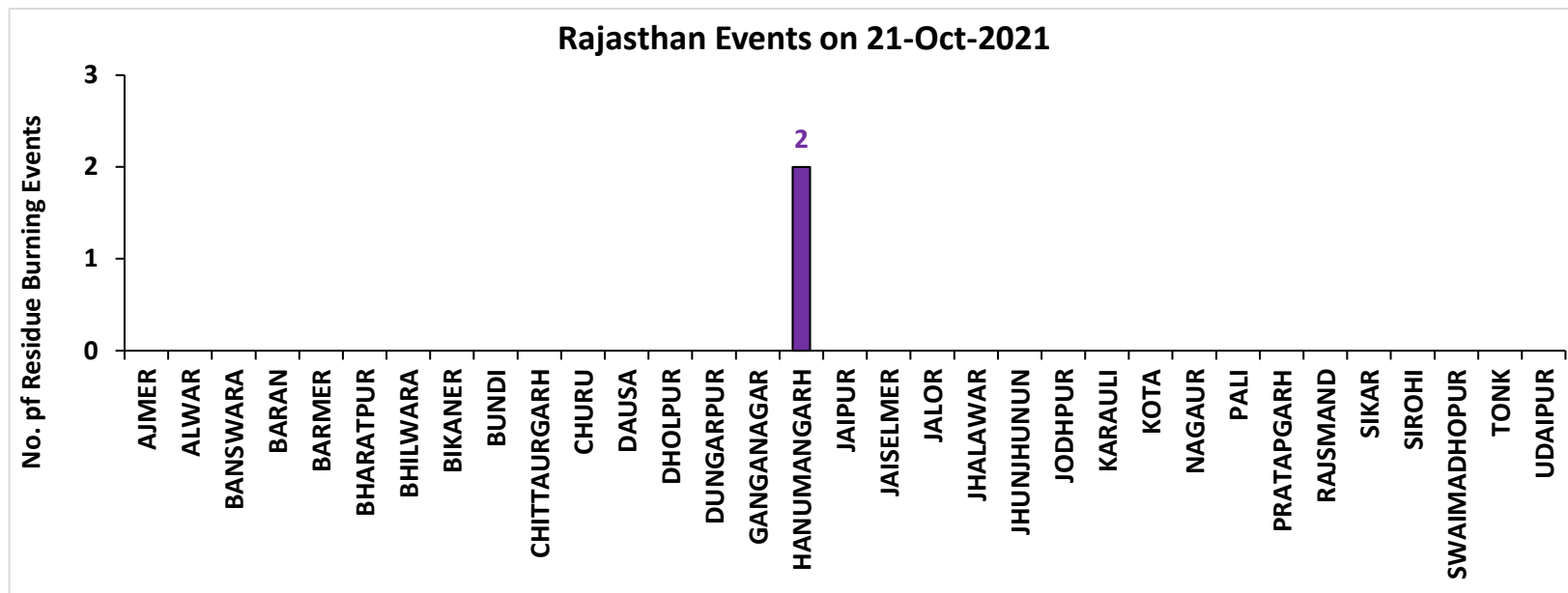
Fire Intensity (W/m²)

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



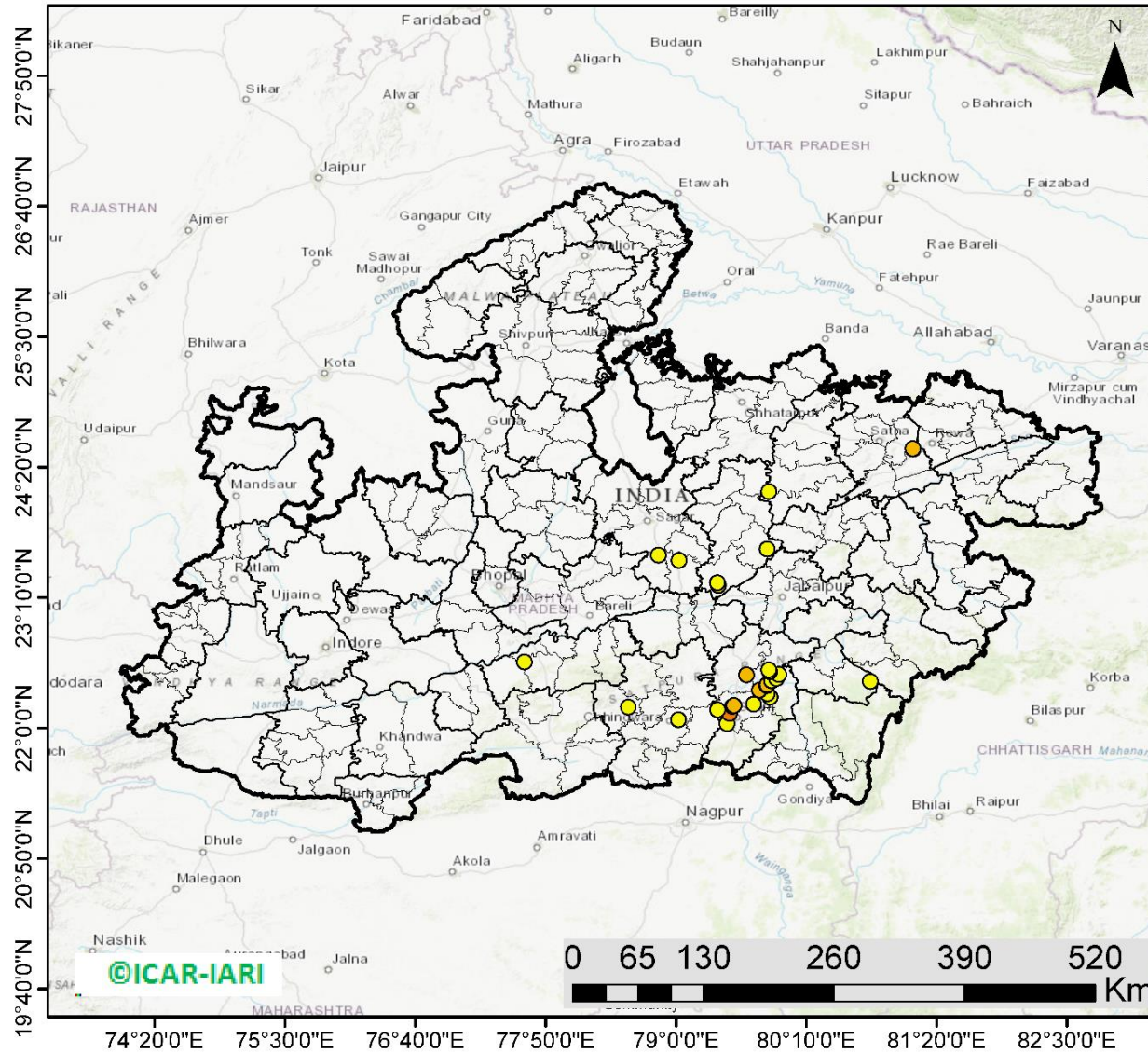
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 21 Oct-2021)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



30 burning events detected in MP on 21st October 2021

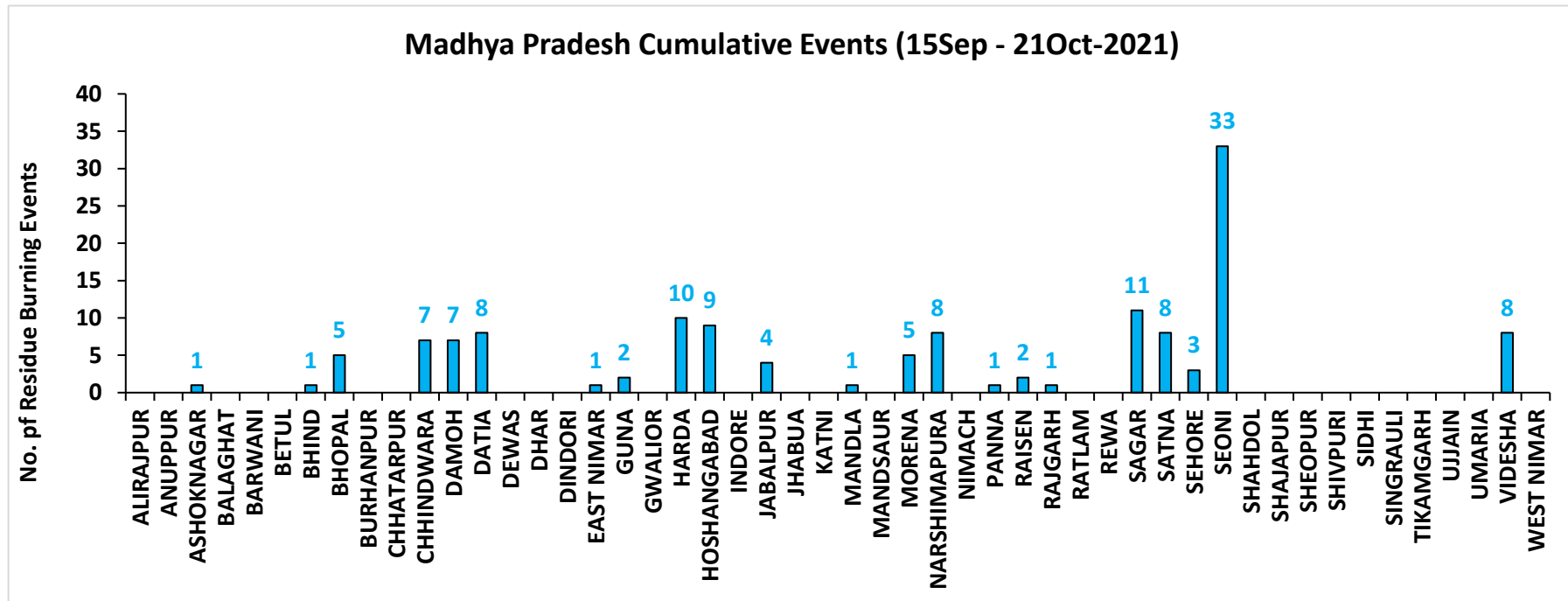
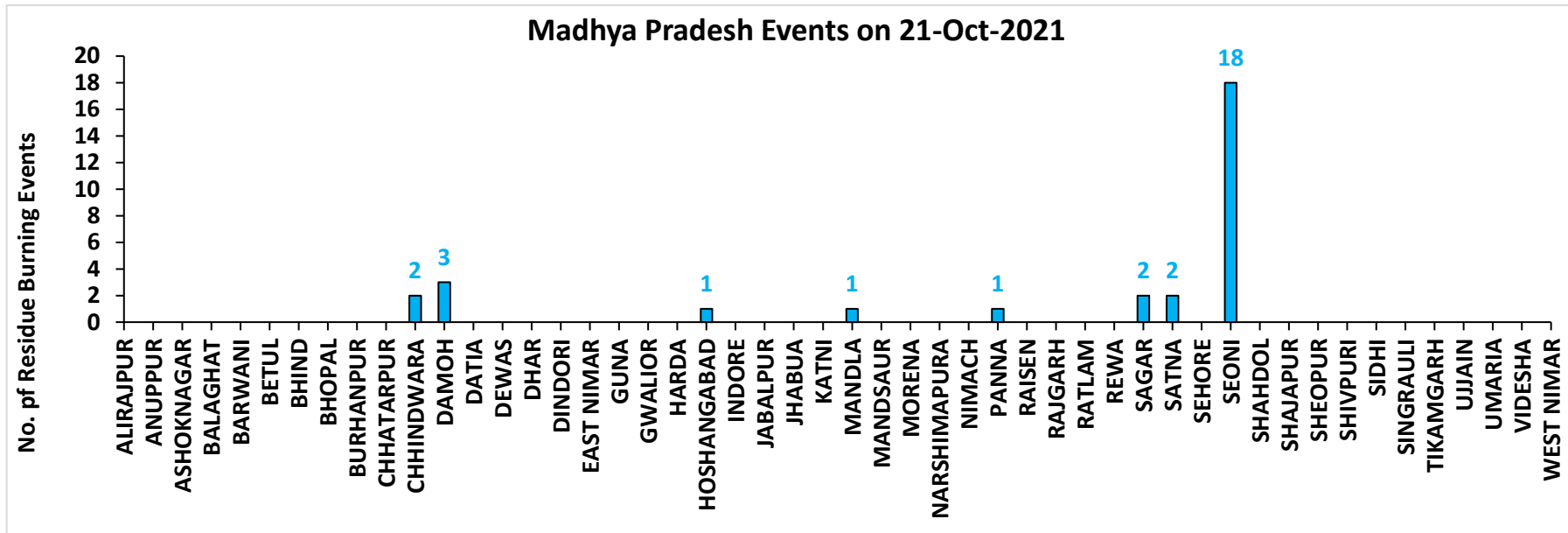
Fire Intensity (W/m²)

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



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

District-wise cumulative number of residues burning events in Madhya Pradesh (15 Sep - 21 Oct-2021)



District-wise cumulative number of residues burning events detected in 2020 and 2021
(Period: 15 September - 21 October)

(a) Punjab

District	15 Sep – 21 Oct	
	2020	2021
AMRITSAR	2185	804
BARNALA	36	38
BATHINDA	131	36
FARIDKOT	549	182
FATEHGARH SAHIB	291	182
FAZILKA	164	69
FIROZPUR	1278	253
GURDASPUR	816	287
HOSHIARPUR	124	38
JALANDHAR	234	174
KAPURTHALA	513	211
LUDHIANA	257	266
MANSA	96	13
MOGA	167	91
MUKTSAR	135	56
PATHANKOT	4	0
PATIALA	889	375
RUPNAGAR	48	29
SANGRUR	239	86
SAS NAGAR (MOHALI)	58	40
SBS NAGAR	18	21
TARN TARAN	2559	1076
Total	10791	4327

(b) Haryana

District	15 Sep – 21 Oct	
	2020	2021
AMBALA	153	60
BHIWANI	0	0
CHARKHI DADRI	0	0
FARIDABAD	1	1
FATEHABAD	73	77
GURGAON	0	0
HISAR	9	2
JHAJJAR	1	0
JIND	38	55
KAITHAL	263	382
KARNAL	363	451
KURUKSHETRA	283	226
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	21	25
PANCHKULA	0	0
PANIPAT	11	19
REWARI	0	0
ROHTAK	1	0
SIRSA	23	13
SONIPAT	13	6
YAMUNANAGAR	73	51
Total	1326	1368

(c) Uttar Pradesh

District	15 Sep – 21 Oct							
	2020	2021	GAUTAMBUDHNAGAR	2	7	MUZAFARNAGAR	3	2
AGRA	2	0	GAZIPUR	0	0	PILHIBHIT	8	108
ALIGARH	41	21	GHAZIABAD	3	2	PRATAPGARH	1	0
ALLAHABAD	0	1	GONDA	0	0	RAIBEARELI	1	0
AMBEDKARNAGAR	0	0	GORAKHPUR	1	0	RAMPUR	37	50
AMETHI	0	1	HAMIRPUR	1	0	SAMBHAL	7	7
AMROHA	1	0	HAPUR	3	1	SANTKABIRNAGAR	0	0
AURAIYA	19	6	HARDOI	13	6	SANTRAVIDASNAGAR	0	0
AZAMGARH	0	0	HATHRAS	0	0	SHAHJAHANPUR	47	181
BADAUN	1	6	JALAUN	0	0	SHAMLI	20	11
BAGHPAT	3	1	JAUNPUR	0	0	SHARANPUR	35	20
BAHRAICH	9	2	JHANSI	12	6	SHRAWASTI	7	0
BALLIA	0	0	KANNAUJ	3	1	SIDDHARTHANAGAR	0	0
BALRAMPUR	1	1	KANPUR	4	7	SITAPUR	14	9
BANDA	0	0	KANPUR DEHAT	11	1	SONBHADRA	0	0
BARABANKI	15	20	KASGANJ	2	2	SULTANPUR	0	0
BAREILLY	19	15	KAUSHAMBI	9	3	UNNAO	5	1
BASTI	3	1	KHERI	46	54	VARANASI	1	0
BIJNOR	6	4	KUSHINAGAR	0	0	Total	554	631
BULANDSAHAR	16	2	LALITPUR	0	1			
CHANDAULI	0	0	LUCKNOW	2	0			
CHITRAKOOT	0	1	MAHARAJGANJ	0	0			
DEORIA	0	0	MAHOBA	3	0			
ETAH	11	6	MAINPURI	11	7			
ETAWAH	5	7	MATHURA	36	27			
FAIZABAD	1	0	MAU	0	0			
FARRUKHABAD	0	0	MEERUT	12	4			
FATEHPUR	19	6	MIRZAPUR	6	5			
FIROZABAD	11	4	MORADABAD	5	3			

(d) Delhi

District	15 Sep – 21 Oct	
	2020	2021
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	2	0
NORTH EAST	0	0
NORTH WEST DELHI	3	0
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	0	0
Total	6	0

(e) Rajasthan

District	15 Sep – 21 Oct	
	2020	2021
AJMER	1	0
ALWAR	1	0
BANSWARA	0	0
BARAN	93	0
BARMER	2	0
BHARATPUR	2	0
BHILWARA	2	0
BIKANER	1	0
BUNDI	12	0
CHITTAURGARH	0	2
CHURU	0	0
DAUSA	0	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	3	0
HANUMANGARH	188	37
JAIPUR	2	0
JAISELMER	2	0
JALOR	0	0
JHALAWAR	1	0
JHUNJHUNUN	1	0
JODHPUR	1	0
KARALI	1	0
KOTA	32	1
NAGPUR	0	0
PALI	1	0
PRATAPGARH	4	0
RAJSMAND	0	0
SIKAR	0	0
SIROHI	1	0
SWAIMADHOPUR	9	0
TONK	2	0
UDAIPUR	0	0
Total	362	40

(f) Madhya Pradesh

District	15 Sep – 21 Oct				
	2020	2021			
			PANNA	4	1
ALIRAJPUR	0	0	RAISEN	23	2
ANUPPUR	0	0	RAJGARH	7	1
ASHOKNAGAR	24	1	RATLAM	0	0
BALAGHAT	0	0	REWA	4	0
BARWANI	0	0	SAGAR	16	11
BETUL	2	0	SATNA	15	8
BHIND	11	1	SEHORE	12	3
BHOPAL	7	5	SEONI	40	33
BURHANPUR	0	0	SHAHDOL	0	0
CHHATARPUR	4	0	SHAJAPUR	5	0
CHHINDWARA	5	7	SHEOPUR	23	0
DAMOH	21	7	SHIVPURI	10	0
DATIA	89	8	SIDHI	0	0
DEWAS	3	0	SINGRAULI	0	0
DHAR	22	0	TIKAMGARH	1	0
DINDORI	0	0	UJJAIN	5	0
EAST NIMAR	3	1	UMARIA	0	0
GUNA	17	2	VIDESHA	65	8
GWALIOR	54	0	WEST NIMAR	7	0
HARDA	8	10	Total	642	136
HOSHANGABAD	79	9			
INDORE	2	0			
JABALPUR	14	4			
JHABUA	0	0			
KATNI	8	0			
MANDLA	1	1			
MANDSAUR	3	0			
MORENA	18	5			
NARSHIMAPURA	10	8			
NIMACH	0	0			

State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021
(Period: 15 September – 21 October)

Number of Paddy Residue Burning Events Detected

	Punjab		Haryana		Uttar Pradesh		Delhi		Rajasthan		Madhya Pradesh	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
15-Sep	5	0	2	0	1	0	0	0	1	0	2	0
16-Sep	0	2	1	0	0	0	0	0	0	0	0	0
17-Sep	5	0	3	0	0	0	0	0	0	0	0	0
18-Sep	17	9	0	0	0	1	0	0	0	0	0	0
19-Sep	30	5	2	0	0	1	0	0	0	0	0	0
20-Sep	67	8	6	0	2	0	0	0	0	0	0	0
21-Sep	54	0	2	0	1	0	0	0	1	0	2	0
22-Sep	34	0	1	0	1	0	0	0	0	0	0	0
23-Sep	49	0	0	0	1	0	0	0	1	0	0	0
24-Sep	78	5	0	0	1	1	0	0	0	0	0	0
25-Sep	184	11	11	0	5	0	0	0	1	0	0	0
26-Sep	190	19	5	0	8	0	0	0	1	0	2	0
27-Sep	78	37	8	0	4	1	0	0	0	0	1	0
28-Sep	55	28	6	1	1	6	0	0	0	0	1	1
29-Sep	63	64	9	4	6	10	0	0	3	0	0	4
30-Sep	116	27	22	2	13	13	1	0	1	0	5	0
01-Oct	165	13	15	4	7	13	0	0	4	1	13	0
02-Oct	141	0	30	2	12	0	1	0	7	0	12	0
03-Oct	110	9	8	6	4	3	0	0	9	0	5	1
04-Oct	162	23	29	2	8	0	0	0	15	0	4	2
05-Oct	161	18	17	3	14	2	0	0	14	0	13	1
06-Oct	171	42	30	0	12	1	1	0	16	0	37	1
07-Oct	197	72	32	11	41	13	0	0	14	1	31	1
08-Oct	95	108	29	27	25	11	0	0	11	0	17	2
09-Oct	121	114	20	39	15	20	0	0	12	0	15	4
10-Oct	232	150	33	95	9	54	0	0	14	1	18	10
11-Oct	377	64	90	51	23	28	0	0	21	7	32	2
12-Oct	388	97	69	51	46	23	0	0	24	1	44	1

13-Oct	266	132	47	91	36	42	0	0	7	5	21	2
14-Oct	605	229	69	98	9	68	0	0	16	1	15	11
15-Oct	449	660	106	363	15	149	0	0	9	8	8	27
16-Oct	654	429	80	176	21	121	1	0	12	2	23	13
17-Oct	1172	14	143	0	38	39	0	0	26	0	63	1
18-Oct	938	57	166	1	76	0	0	0	37	2	88	0
19-Oct	1080	496	72	55	43	5	0	0	27	5	49	1
20-Oct	890	788	62	155	31	1	0	0	26	4	9	21
21-Oct	1392	597	101	131	25	5	2	0	32	2	112	30
Total	10791	4327	1326	1368	554	631	6	0	362	40	642	136

Details of residue burning events in Punjab on 21-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AMRITSAR	AJNALA	S-NPP	31.83004	74.85583	10/21/2021	13:14	D	4.99
2	AMRITSAR	AJNALA	S-NPP	31.83518	74.92267	10/21/2021	13:14	D	5.36
3	AMRITSAR	AJNALA	S-NPP	31.83527	74.91937	10/21/2021	13:14	D	3.23
4	AMRITSAR	AJNALA	S-NPP	31.83628	74.92477	10/21/2021	13:14	D	3.23
5	AMRITSAR	AJNALA	S-NPP	31.85081	74.90157	10/21/2021	13:14	D	3.37
6	AMRITSAR	AJNALA	S-NPP	31.89110	74.78244	10/21/2021	13:14	D	4.17
7	AMRITSAR	AJNALA	S-NPP	31.89610	74.84980	10/21/2021	13:14	D	5.09
8	AMRITSAR	ATTARI	S-NPP	31.54169	74.63153	10/21/2021	13:14	D	2.47
9	AMRITSAR	ATTARI	S-NPP	31.56867	74.72998	10/21/2021	13:14	D	4.58
10	AMRITSAR	ATTARI	S-NPP	31.57094	74.73300	10/21/2021	13:14	D	2.71
11	AMRITSAR	ATTARI	S-NPP	31.57291	74.75214	10/21/2021	13:14	D	5.29
12	AMRITSAR	ATTARI	S-NPP	31.57800	74.82032	10/21/2021	13:14	D	4.19
13	AMRITSAR	ATTARI	S-NPP	31.58336	74.65368	10/21/2021	13:14	D	4.69
14	AMRITSAR	ATTARI	S-NPP	31.61991	74.61457	10/21/2021	13:14	D	5.12
15	AMRITSAR	ATTARI	TERRA	31.51260	74.58809	10/21/2021	11:31	D	6.57
16	AMRITSAR	ATTARI	TERRA	31.56287	74.77123	10/21/2021	11:31	D	7.88
17	AMRITSAR	CHOGAWAN	S-NPP	31.63685	74.59826	10/21/2021	13:14	D	3.97
18	AMRITSAR	CHOGAWAN	S-NPP	31.66187	74.64463	10/21/2021	13:14	D	3.36
19	AMRITSAR	CHOGAWAN	S-NPP	31.67566	74.56779	10/21/2021	13:14	D	3.61
20	AMRITSAR	CHOGAWAN	S-NPP	31.74231	74.62085	10/21/2021	13:14	D	9.43
21	AMRITSAR	CHOGAWAN	S-NPP	31.78798	74.64165	10/21/2021	13:14	D	7.63
22	AMRITSAR	CHOGAWAN	S-NPP	31.78901	74.60619	10/21/2021	13:14	D	2.22
23	AMRITSAR	CHOGAWAN	S-NPP	31.82441	74.64368	10/21/2021	13:14	D	9.55
24	AMRITSAR	CHOGAWAN	TERRA	31.72509	74.67114	10/21/2021	11:31	D	8.54
25	AMRITSAR	HARSHA CHHINA	S-NPP	31.78380	74.73237	10/21/2021	13:14	D	5.04
26	AMRITSAR	HARSHA CHHINA	S-NPP	31.80073	74.88301	10/21/2021	13:14	D	3.30
27	AMRITSAR	JANDIALA GURU	S-NPP	31.54634	75.00562	10/21/2021	13:14	D	5.68
28	AMRITSAR	JANDIALA GURU	S-NPP	31.58397	75.05779	10/21/2021	13:14	D	17.13
29	AMRITSAR	JANDIALA GURU	S-NPP	31.58596	75.00658	10/21/2021	13:14	D	27.86

30	AMRITSAR	JANDIALA GURU	AQUA	31.57475	75.05555	10/21/2021	13:11	D	49.95
31	AMRITSAR	MAJITHA	S-NPP	31.68419	75.02929	10/21/2021	13:14	D	6.36
32	AMRITSAR	MAJITHA	S-NPP	31.71138	75.08938	10/21/2021	13:14	D	7.28
33	AMRITSAR	MAJITHA	S-NPP	31.71377	75.06081	10/21/2021	13:14	D	3.16
34	AMRITSAR	MAJITHA	S-NPP	31.75664	74.90030	10/21/2021	13:14	D	4.40
35	AMRITSAR	MAJITHA	S-NPP	31.76540	74.96600	10/21/2021	13:14	D	3.67
36	AMRITSAR	RAYYA	S-NPP	31.54063	75.17683	10/21/2021	13:14	D	7.47
37	AMRITSAR	RAYYA	S-NPP	31.54362	75.19269	10/21/2021	13:14	D	4.67
38	AMRITSAR	RAYYA	S-NPP	31.60650	75.25739	10/21/2021	13:14	D	2.51
39	AMRITSAR	RAYYA	S-NPP	31.60949	75.27309	10/21/2021	13:14	D	4.59
40	AMRITSAR	RAYYA	S-NPP	31.61940	75.32517	10/21/2021	13:14	D	10.91
41	AMRITSAR	RAYYA	S-NPP	31.69158	75.27126	10/21/2021	13:14	D	8.67
42	AMRITSAR	RAYYA	AQUA	31.68402	75.25871	10/21/2021	13:11	D	18.75
43	AMRITSAR	TARSIKKA	S-NPP	31.66651	75.03951	10/21/2021	13:14	D	5.21
44	AMRITSAR	TARSIKKA	S-NPP	31.67202	75.21295	10/21/2021	13:14	D	2.19
45	AMRITSAR	TARSIKKA	S-NPP	31.69544	75.08795	10/21/2021	13:14	D	6.34
46	AMRITSAR	TARSIKKA	S-NPP	31.69606	75.19321	10/21/2021	13:14	D	3.48
47	AMRITSAR	TARSIKKA	S-NPP	31.74406	75.15866	10/21/2021	13:14	D	3.77
48	AMRITSAR	TARSIKKA	AQUA	31.74102	75.15720	10/21/2021	13:11	D	17.79
49	AMRITSAR	VERKA	S-NPP	31.71265	74.87763	10/21/2021	13:14	D	6.57
50	AMRITSAR	VERKA	S-NPP	31.71373	74.87423	10/21/2021	13:14	D	3.55
51	AMRITSAR	VERKA	S-NPP	31.71544	74.83114	10/21/2021	13:14	D	5.94
52	AMRITSAR	VERKA	S-NPP	31.71616	74.90781	10/21/2021	13:14	D	3.55
53	BARNALA	BARNALA	S-NPP	30.38177	75.59257	10/21/2021	13:14	D	4.91
54	BARNALA	BARNALA	S-NPP	30.43284	75.65330	10/21/2021	13:14	D	13.03
55	BARNALA	MAHAL KALAN	S-NPP	30.47571	75.57195	10/21/2021	13:14	D	3.19
56	BARNALA	MAHAL KALAN	S-NPP	30.58385	75.44320	10/21/2021	13:14	D	5.03
57	BARNALA	SEHNA	S-NPP	30.39901	75.37593	10/21/2021	13:14	D	4.79
58	BARNALA	SEHNA	S-NPP	30.40961	75.47019	10/21/2021	13:14	D	3.83
59	BARNALA	SEHNA	S-NPP	30.40991	75.47317	10/21/2021	13:14	D	5.84
60	BARNALA	SEHNA	AQUA	30.39331	75.37526	10/21/2021	13:11	D	20.45
61	BARNALA	SEHNA	AQUA	30.39937	75.36649	10/21/2021	13:11	D	21.29
62	BATHINDA	GONIANA MANDI	S-NPP	30.30340	74.76311	10/21/2021	13:14	D	3.26

63	BATHINDA	PHUL	S-NPP	30.32918	75.29487	10/21/2021	13:14	D	15.26
64	BATHINDA	SANGAT	S-NPP	30.01232	74.84960	10/21/2021	13:14	D	6.33
65	FARIDKOT	FARIDKOT	S-NPP	30.60863	74.75020	10/21/2021	13:14	D	7.37
66	FARIDKOT	FARIDKOT	S-NPP	30.64517	74.81207	10/21/2021	13:14	D	4.56
67	FARIDKOT	FARIDKOT	S-NPP	30.64628	74.81770	10/21/2021	13:14	D	4.56
68	FARIDKOT	FARIDKOT	S-NPP	30.64788	74.76385	10/21/2021	13:14	D	30.26
69	FARIDKOT	FARIDKOT	S-NPP	30.65174	74.76284	10/21/2021	13:14	D	3.77
70	FARIDKOT	FARIDKOT	S-NPP	30.66857	74.52069	10/21/2021	13:14	D	3.48
71	FARIDKOT	FARIDKOT	S-NPP	30.71493	74.77391	10/21/2021	13:14	D	3.03
72	FARIDKOT	FARIDKOT	S-NPP	30.71798	74.56269	10/21/2021	13:14	D	2.90
73	FARIDKOT	FARIDKOT	S-NPP	30.72821	74.80009	10/21/2021	13:14	D	13.28
74	FARIDKOT	FARIDKOT	S-NPP	30.72932	74.80572	10/21/2021	13:14	D	41.04
75	FARIDKOT	FARIDKOT	S-NPP	30.73049	74.62614	10/21/2021	13:14	D	7.49
76	FARIDKOT	FARIDKOT	S-NPP	30.73238	74.69781	10/21/2021	13:14	D	8.89
77	FARIDKOT	FARIDKOT	S-NPP	30.73291	74.53437	10/21/2021	13:14	D	6.02
78	FARIDKOT	FARIDKOT	S-NPP	30.73681	74.53334	10/21/2021	13:14	D	6.02
79	FARIDKOT	FARIDKOT	S-NPP	30.73875	74.87399	10/21/2021	13:14	D	11.06
80	FARIDKOT	FARIDKOT	S-NPP	30.74250	74.56233	10/21/2021	13:14	D	10.75
81	FARIDKOT	FARIDKOT	S-NPP	30.74866	74.57288	10/21/2021	13:14	D	2.48
82	FARIDKOT	FARIDKOT	S-NPP	30.78045	74.67324	10/21/2021	13:14	D	8.31
83	FARIDKOT	FARIDKOT	S-NPP	30.80369	74.67084	10/21/2021	13:14	D	3.40
84	FARIDKOT	FARIDKOT	S-NPP	30.80434	74.69459	10/21/2021	13:14	D	5.96
85	FARIDKOT	FARIDKOT	S-NPP	30.80485	74.57407	10/21/2021	13:14	D	3.96
86	FARIDKOT	FARIDKOT	S-NPP	30.80692	74.72611	10/21/2021	13:14	D	4.54
87	FARIDKOT	FARIDKOT	TERRA	30.67229	74.84119	10/21/2021	11:31	D	8.49
88	FARIDKOT	FARIDKOT	TERRA	30.67313	74.84993	10/21/2021	11:31	D	8.42
89	FARIDKOT	FARIDKOT	TERRA	30.75838	74.83309	10/21/2021	11:31	D	13.74
90	FARIDKOT	FARIDKOT	TERRA	30.76518	74.84122	10/21/2021	11:31	D	12.85
91	FARIDKOT	JAITON	S-NPP	30.40438	74.82445	10/21/2021	13:14	D	4.62
92	FARIDKOT	JAITON	S-NPP	30.42758	74.81846	10/21/2021	13:14	D	2.18
93	FARIDKOT	KOT KAPURA	S-NPP	30.55054	74.80343	10/21/2021	13:14	D	14.13
94	FARIDKOT	KOT KAPURA	S-NPP	30.59381	74.77789	10/21/2021	13:14	D	4.85
95	FARIDKOT	KOT KAPURA	S-NPP	30.59468	74.78004	10/21/2021	13:14	D	3.95

96	FATEHGARH SAHIB	AMLOH	S-NPP	30.63084	76.28362	10/21/2021	13:14	D	4.47
97	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67056	76.39952	10/21/2021	13:14	D	11.78
98	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67459	76.46323	10/21/2021	13:14	D	3.84
99	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67929	76.42730	10/21/2021	13:14	D	3.13
100	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68000	76.45200	10/21/2021	13:14	D	2.97
101	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68471	76.41602	10/21/2021	13:14	D	4.69
102	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68577	76.41756	10/21/2021	13:14	D	3.03
103	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.69823	76.42450	10/21/2021	13:14	D	27.25
104	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70108	76.48656	10/21/2021	13:14	D	10.48
105	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70530	76.44266	10/21/2021	13:14	D	5.73
106	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.70704	76.45216	10/21/2021	13:14	D	4.06
107	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.72487	76.44785	10/21/2021	13:14	D	15.77
108	FATEHGARH SAHIB	KHAMANON	S-NPP	30.79121	76.31490	10/21/2021	13:14	D	9.65
109	FATEHGARH SAHIB	KHAMANON	S-NPP	30.82337	76.32712	10/21/2021	13:14	D	7.62
110	FATEHGARH SAHIB	KHAMANON	S-NPP	30.82695	76.32624	10/21/2021	13:14	D	7.62
111	FATEHGARH SAHIB	KHAMANON	S-NPP	30.85819	76.33365	10/21/2021	13:14	D	6.82
112	FATEHGARH SAHIB	KHERA	S-NPP	30.59072	76.50133	10/21/2021	13:14	D	5.85
113	FATEHGARH SAHIB	KHERA	S-NPP	30.59249	76.50286	10/21/2021	13:14	D	6.98
114	FATEHGARH SAHIB	KHERA	S-NPP	30.60733	76.56343	10/21/2021	13:14	D	3.12
115	FATEHGARH SAHIB	KHERA	S-NPP	30.60968	76.56590	10/21/2021	13:14	D	5.46

116	FATEHGARH SAHIB	KHERA	S-NPP	30.61240	76.42856	10/21/2021	13:14	D	4.06
117	FATEHGARH SAHIB	KHERA	S-NPP	30.62640	76.48479	10/21/2021	13:14	D	3.48
118	FATEHGARH SAHIB	KHERA	S-NPP	30.62650	76.46493	10/21/2021	13:14	D	15.15
119	FATEHGARH SAHIB	KHERA	S-NPP	30.63017	76.44418	10/21/2021	13:14	D	1.34
120	FATEHGARH SAHIB	KHERA	S-NPP	30.63536	76.47272	10/21/2021	13:14	D	3.60
121	FATEHGARH SAHIB	KHERA	S-NPP	30.66917	76.47446	10/21/2021	13:14	D	6.01
122	FATEHGARH SAHIB	KHERA	S-NPP	30.68095	76.56050	10/21/2021	13:14	D	6.24
123	FATEHGARH SAHIB	KHERA	AQUA	30.61610	76.46224	10/21/2021	13:11	D	19.93
124	FATEHGARH SAHIB	SIRHIND	S-NPP	30.53121	76.48096	10/21/2021	13:14	D	3.62
125	FATEHGARH SAHIB	SIRHIND	S-NPP	30.61911	76.30162	10/21/2021	13:14	D	5.74
126	FAZILKA	ABOHAR	S-NPP	30.03637	74.04293	10/21/2021	13:14	D	2.53
127	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.31695	74.15739	10/21/2021	13:14	D	4.63
128	FAZILKA	FAZILKA	S-NPP	30.41544	74.05914	10/21/2021	13:14	D	3.36
129	FAZILKA	JALALABAD	S-NPP	30.48655	74.31033	10/21/2021	13:14	D	3.11
130	FAZILKA	JALALABAD	S-NPP	30.48814	74.29725	10/21/2021	13:14	D	4.62
131	FAZILKA	JALALABAD	S-NPP	30.49846	74.28605	10/21/2021	13:14	D	4.67
132	FAZILKA	JALALABAD	S-NPP	30.49896	74.28600	10/21/2021	13:14	D	4.10
133	FAZILKA	JALALABAD	S-NPP	30.51330	74.29485	10/21/2021	13:14	D	3.60
134	FAZILKA	JALALABAD	S-NPP	30.57094	74.12186	10/21/2021	13:14	D	3.21
135	FAZILKA	JALALABAD	AQUA	30.65183	74.18102	10/21/2021	13:11	D	46.86
136	FAZILKA	KHUIAN SARWAR	S-NPP	30.29416	74.00197	10/21/2021	13:14	D	2.06
137	FAZILKA	KHUIAN SARWAR	TERRA	30.23194	74.06479	10/21/2021	11:31	D	27.02
138	FAZILKA	KHUIAN SARWAR	TERRA	30.23411	74.05212	10/21/2021	11:31	D	11.51
139	FIROZPUR	FIROZPUR	S-NPP	30.88048	74.62668	10/21/2021	13:14	D	17.02
140	FIROZPUR	FIROZPUR	S-NPP	30.88435	74.62566	10/21/2021	13:14	D	30.93
141	FIROZPUR	FIROZPUR	S-NPP	30.93811	74.50657	10/21/2021	13:14	D	3.99

142	FIROZPUR	FIROZPUR	S-NPP	31.02124	74.62228	10/21/2021	13:14	D	16.29
143	FIROZPUR	FIROZPUR	S-NPP	31.02237	74.62797	10/21/2021	13:14	D	16.29
144	FIROZPUR	FIROZPUR	S-NPP	31.02940	74.74501	10/21/2021	13:14	D	7.49
145	FIROZPUR	FIROZPUR	S-NPP	31.02947	74.74647	10/21/2021	13:14	D	10.63
146	FIROZPUR	FIROZPUR	S-NPP	31.03324	74.74402	10/21/2021	13:14	D	7.49
147	FIROZPUR	FIROZPUR	S-NPP	31.03331	74.74546	10/21/2021	13:14	D	6.29
148	FIROZPUR	FIROZPUR	S-NPP	31.09953	74.77377	10/21/2021	13:14	D	3.93
149	FIROZPUR	FIROZPUR	AQUA	30.87888	74.63612	10/21/2021	13:11	D	31.23
150	FIROZPUR	FIROZPUR	AQUA	31.01377	74.61883	10/21/2021	13:11	D	27.52
151	FIROZPUR	FIROZPUR	AQUA	31.02437	74.73515	10/21/2021	13:11	D	55.13
152	FIROZPUR	GHALL KHURD	S-NPP	30.76065	74.86240	10/21/2021	13:14	D	4.63
153	FIROZPUR	GHALL KHURD	S-NPP	30.77162	74.83604	10/21/2021	13:14	D	5.13
154	FIROZPUR	GHALL KHURD	S-NPP	30.79840	74.87019	10/21/2021	13:14	D	4.11
155	FIROZPUR	GHALL KHURD	S-NPP	30.91014	74.77983	10/21/2021	13:14	D	3.84
156	FIROZPUR	GHALL KHURD	S-NPP	30.91231	74.79106	10/21/2021	13:14	D	12.90
157	FIROZPUR	GHALL KHURD	S-NPP	30.91398	74.77883	10/21/2021	13:14	D	24.64
158	FIROZPUR	GHALL KHURD	S-NPP	30.96634	74.69185	10/21/2021	13:14	D	8.03
159	FIROZPUR	GHALL KHURD	TERRA	30.90849	74.79583	10/21/2021	11:31	D	8.20
160	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67552	74.36945	10/21/2021	13:14	D	3.47
161	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68178	74.23354	10/21/2021	13:14	D	7.20
162	FIROZPUR	GURUHAR SAHAI	S-NPP	30.69838	74.35924	10/21/2021	13:14	D	4.80
163	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71496	74.42223	10/21/2021	13:14	D	6.24
164	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72054	74.30323	10/21/2021	13:14	D	7.98
165	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72156	74.30299	10/21/2021	13:14	D	7.29
166	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72190	74.45750	10/21/2021	13:14	D	4.23
167	FIROZPUR	GURUHAR SAHAI	S-NPP	30.74379	74.46404	10/21/2021	13:14	D	15.77
168	FIROZPUR	GURUHAR SAHAI	S-NPP	30.74771	74.46301	10/21/2021	13:14	D	15.77
169	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76108	74.31342	10/21/2021	13:14	D	2.03
170	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76812	74.26547	10/21/2021	13:14	D	1.46
171	FIROZPUR	GURUHAR SAHAI	AQUA	30.67977	74.23782	10/21/2021	13:11	D	25.82
172	FIROZPUR	GURUHAR SAHAI	AQUA	30.67991	74.23067	10/21/2021	13:11	D	32.64
173	FIROZPUR	MAKHU	S-NPP	31.07048	74.93273	10/21/2021	13:14	D	7.18
174	FIROZPUR	MAMDOT	S-NPP	30.78639	74.48134	10/21/2021	13:14	D	3.11

175	FIROZPUR	MAMDOT	S-NPP	30.79156	74.42458	10/21/2021	13:14	D	14.78
176	FIROZPUR	MAMDOT	S-NPP	30.81624	74.42424	10/21/2021	13:14	D	11.26
177	FIROZPUR	MAMDOT	S-NPP	30.84367	74.41698	10/21/2021	13:14	D	16.31
178	FIROZPUR	MAMDOT	S-NPP	30.84575	74.41447	10/21/2021	13:14	D	15.82
179	FIROZPUR	MAMDOT	S-NPP	30.87474	74.51309	10/21/2021	13:14	D	3.47
180	FIROZPUR	MAMDOT	S-NPP	30.88022	74.38063	10/21/2021	13:14	D	3.91
181	FIROZPUR	MAMDOT	S-NPP	30.91147	74.43406	10/21/2021	13:14	D	6.70
182	FIROZPUR	MAMDOT	TERRA	30.79780	74.54803	10/21/2021	11:31	D	17.91
183	FIROZPUR	MAMDOT	TERRA	30.80010	74.53483	10/21/2021	11:31	D	13.90
184	FIROZPUR	MAMDOT	TERRA	30.82459	74.51315	10/21/2021	11:31	D	12.05
185	FIROZPUR	MAMDOT	TERRA	30.82538	74.50619	10/21/2021	11:31	D	9.12
186	FIROZPUR	MAMDOT	AQUA	30.84075	74.40555	10/21/2021	13:11	D	49.38
187	FIROZPUR	MAMDOT	AQUA	30.84163	74.40076	10/21/2021	13:11	D	41.89
188	FIROZPUR	ZIRA	S-NPP	30.89751	75.00455	10/21/2021	13:14	D	2.63
189	GURDASPUR	BATALA	S-NPP	31.69197	75.23280	10/21/2021	13:14	D	2.16
190	GURDASPUR	BATALA	S-NPP	31.69668	75.23708	10/21/2021	13:14	D	11.32
191	GURDASPUR	BATALA	S-NPP	31.72587	75.26789	10/21/2021	13:14	D	6.11
192	GURDASPUR	BATALA	S-NPP	31.74976	75.16824	10/21/2021	13:14	D	2.14
193	GURDASPUR	BATALA	S-NPP	31.75472	75.19454	10/21/2021	13:14	D	3.76
194	GURDASPUR	BATALA	S-NPP	31.76091	75.16534	10/21/2021	13:14	D	3.04
195	GURDASPUR	BATALA	S-NPP	31.76545	75.18900	10/21/2021	13:14	D	4.26
196	GURDASPUR	BATALA	S-NPP	31.76707	75.21885	10/21/2021	13:14	D	6.56
197	GURDASPUR	BATALA	S-NPP	31.76828	75.24597	10/21/2021	13:14	D	2.41
198	GURDASPUR	BATALA	S-NPP	31.77666	75.24928	10/21/2021	13:14	D	4.46
199	GURDASPUR	BATALA	S-NPP	31.78287	75.22025	10/21/2021	13:14	D	2.88
200	GURDASPUR	DERA BABA NANAK	S-NPP	31.95132	75.01598	10/21/2021	13:14	D	2.08
201	GURDASPUR	DERA BABA NANAK	S-NPP	31.95963	75.06131	10/21/2021	13:14	D	3.02
202	GURDASPUR	DERA BABA NANAK	S-NPP	31.96034	75.06379	10/21/2021	13:14	D	2.97
203	GURDASPUR	DERA BABA NANAK	S-NPP	31.97047	74.93536	10/21/2021	13:14	D	2.84
204	GURDASPUR	DERA BABA NANAK	S-NPP	32.00422	74.98828	10/21/2021	13:14	D	2.25
205	GURDASPUR	DERA BABA NANAK	S-NPP	32.02890	75.07651	10/21/2021	13:14	D	2.90
206	GURDASPUR	DHARIWAL	S-NPP	31.90989	75.32916	10/21/2021	13:14	D	5.40
207	GURDASPUR	DHARIWAL	S-NPP	31.91760	75.39994	10/21/2021	13:14	D	2.60

208	GURDASPUR	DHARIWAL	S-NPP	31.93489	75.33894	10/21/2021	13:14	D	3.18
209	GURDASPUR	DHARIWAL	S-NPP	31.96805	75.24898	10/21/2021	13:14	D	6.51
210	GURDASPUR	DHARIWAL	S-NPP	31.99058	75.28662	10/21/2021	13:14	D	6.92
211	GURDASPUR	DHARIWAL	S-NPP	31.99154	75.29179	10/21/2021	13:14	D	4.34
212	GURDASPUR	DINA NAGAR	S-NPP	32.14836	75.39207	10/21/2021	13:14	D	1.94
213	GURDASPUR	DORANGALA	S-NPP	32.08902	75.31245	10/21/2021	13:14	D	2.04
214	GURDASPUR	DORANGALA	S-NPP	32.09423	75.27865	10/21/2021	13:14	D	2.33
215	GURDASPUR	DORANGALA	S-NPP	32.09576	75.34841	10/21/2021	13:14	D	3.39
216	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.87682	75.09673	10/21/2021	13:14	D	2.52
217	GURDASPUR	GURDASPUR	S-NPP	32.06506	75.30785	10/21/2021	13:14	D	2.75
218	GURDASPUR	GURDASPUR	AQUA	32.00666	75.32955	10/21/2021	13:11	D	16.74
219	GURDASPUR	KAHNUWAN	S-NPP	31.81104	75.40583	10/21/2021	13:14	D	2.54
220	GURDASPUR	KAHNUWAN	S-NPP	31.81397	75.40791	10/21/2021	13:14	D	3.64
221	GURDASPUR	KAHNUWAN	S-NPP	31.87574	75.34066	10/21/2021	13:14	D	6.95
222	GURDASPUR	KALANAUR	S-NPP	31.98190	75.15773	10/21/2021	13:14	D	6.55
223	GURDASPUR	KALANAUR	S-NPP	31.98560	75.15676	10/21/2021	13:14	D	5.46
224	GURDASPUR	KALANAUR	S-NPP	32.05175	75.11478	10/21/2021	13:14	D	3.32
225	GURDASPUR	QADIAN	S-NPP	31.74845	75.38705	10/21/2021	13:14	D	3.77
226	GURDASPUR	QADIAN	S-NPP	31.77283	75.33206	10/21/2021	13:14	D	2.96
227	GURDASPUR	QADIAN	S-NPP	31.77456	75.42343	10/21/2021	13:14	D	3.53
228	GURDASPUR	QADIAN	S-NPP	31.80685	75.36378	10/21/2021	13:14	D	2.97
229	GURDASPUR	QADIAN	S-NPP	31.80872	75.29283	10/21/2021	13:14	D	3.13
230	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.63270	75.35439	10/21/2021	13:14	D	5.37
231	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.66416	75.35717	10/21/2021	13:14	D	9.39
232	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.67149	75.45783	10/21/2021	13:14	D	3.91
233	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.67716	75.36469	10/21/2021	13:14	D	5.78
234	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.68578	75.32186	10/21/2021	13:14	D	5.25
235	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.70065	75.39930	10/21/2021	13:14	D	4.26
236	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.70231	75.39610	10/21/2021	13:14	D	3.15
237	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.72565	75.40907	10/21/2021	13:14	D	2.37
238	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.72686	75.27310	10/21/2021	13:14	D	6.11
239	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.73549	75.29817	10/21/2021	13:14	D	2.88
240	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.74617	75.43610	10/21/2021	13:14	D	3.59

241	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.74984	75.43515	10/21/2021	13:14	D	2.11
242	HOSHIARPUR	DASUYA	S-NPP	31.76680	75.60629	10/21/2021	13:14	D	8.74
243	HOSHIARPUR	DASUYA	S-NPP	31.77044	75.60537	10/21/2021	13:14	D	8.74
244	HOSHIARPUR	DASUYA	AQUA	31.75615	75.59782	10/21/2021	13:11	D	27.78
245	HOSHIARPUR	GARH SHANKAR	S-NPP	31.22674	76.06393	10/21/2021	13:14	D	2.49
246	HOSHIARPUR	GARH SHANKAR	S-NPP	31.26810	76.06393	10/21/2021	13:14	D	3.08
247	HOSHIARPUR	MAHILPUR	S-NPP	31.30326	75.86771	10/21/2021	13:14	D	3.63
248	HOSHIARPUR	MUKERIAN	S-NPP	31.93491	75.55522	10/21/2021	13:14	D	6.51
249	HOSHIARPUR	TANDA	S-NPP	31.61428	75.59167	10/21/2021	13:14	D	4.74
250	HOSHIARPUR	TANDA	S-NPP	31.63067	75.57687	10/21/2021	13:14	D	4.26
251	HOSHIARPUR	TANDA	S-NPP	31.74001	75.56554	10/21/2021	13:14	D	6.77
252	HOSHIARPUR	TANDA	S-NPP	31.74097	75.57060	10/21/2021	13:14	D	6.77
253	JALANDHAR	ADAMPUR	S-NPP	31.47256	75.74631	10/21/2021	13:14	D	1.68
254	JALANDHAR	LOHIAN	S-NPP	31.11078	75.13887	10/21/2021	13:14	D	5.78
255	JALANDHAR	LOHIAN	S-NPP	31.11241	75.14021	10/21/2021	13:14	D	7.67
256	JALANDHAR	LOHIAN	S-NPP	31.12280	75.29950	10/21/2021	13:14	D	9.04
257	JALANDHAR	LOHIAN	S-NPP	31.13795	75.31774	10/21/2021	13:14	D	5.53
258	JALANDHAR	LOHIAN	S-NPP	31.13830	75.32127	10/21/2021	13:14	D	12.73
259	JALANDHAR	LOHIAN	S-NPP	31.13893	75.32301	10/21/2021	13:14	D	9.62
260	JALANDHAR	MEHATPUR	S-NPP	30.98254	75.50766	10/21/2021	13:14	D	8.36
261	JALANDHAR	NAKODAR	S-NPP	31.21303	75.59007	10/21/2021	13:14	D	2.66
262	JALANDHAR	NAKODAR	S-NPP	31.21651	75.38370	10/21/2021	13:14	D	4.40
263	JALANDHAR	NAKODAR	S-NPP	31.22045	75.40454	10/21/2021	13:14	D	3.51
264	JALANDHAR	NAKODAR	AQUA	31.18892	75.32865	10/21/2021	13:11	D	18.86
265	JALANDHAR	NAKODAR	AQUA	31.21841	75.39989	10/21/2021	13:11	D	16.73
266	JALANDHAR	NUR MAHAL	S-NPP	31.04036	75.54716	10/21/2021	13:14	D	10.07
267	JALANDHAR	NUR MAHAL	S-NPP	31.10566	75.61932	10/21/2021	13:14	D	2.58
268	JALANDHAR	PHILLAUR	S-NPP	31.02077	75.94628	10/21/2021	13:14	D	3.56
269	JALANDHAR	PHILLAUR	S-NPP	31.03632	75.91342	10/21/2021	13:14	D	2.80
270	JALANDHAR	PHILLAUR	S-NPP	31.11340	75.85778	10/21/2021	13:14	D	4.23
271	JALANDHAR	SHAHKOT	S-NPP	31.04583	75.28596	10/21/2021	13:14	D	3.88
272	JALANDHAR	SHAHKOT	S-NPP	31.06552	75.28648	10/21/2021	13:14	D	14.36
273	JALANDHAR	SHAHKOT	S-NPP	31.09723	75.35024	10/21/2021	13:14	D	7.72

274	JALANDHAR	SHAHKOT	S-NPP	31.15514	75.38837	10/21/2021	13:14	D	9.87
275	JALANDHAR	SHAHKOT	S-NPP	31.15541	75.39024	10/21/2021	13:14	D	5.45
276	JALANDHAR	SHAHKOT	AQUA	31.06026	75.27032	10/21/2021	13:11	D	37.57
277	KAPURTHALA	DHILWAN	S-NPP	31.39320	75.24496	10/21/2021	13:14	D	2.79
278	KAPURTHALA	DHILWAN	S-NPP	31.48427	75.29060	10/21/2021	13:14	D	4.16
279	KAPURTHALA	DHILWAN	S-NPP	31.48527	75.29582	10/21/2021	13:14	D	4.16
280	KAPURTHALA	KAPURTHALA	S-NPP	31.29160	75.34540	10/21/2021	13:14	D	34.08
281	KAPURTHALA	KAPURTHALA	S-NPP	31.34718	75.28985	10/21/2021	13:14	D	3.01
282	KAPURTHALA	KAPURTHALA	S-NPP	31.34867	75.38002	10/21/2021	13:14	D	19.83
283	KAPURTHALA	KAPURTHALA	S-NPP	31.42178	75.37479	10/21/2021	13:14	D	3.96
284	KAPURTHALA	NADALA	S-NPP	31.55195	75.46336	10/21/2021	13:14	D	2.66
285	KAPURTHALA	NADALA	S-NPP	31.56540	75.53496	10/21/2021	13:14	D	4.07
286	KAPURTHALA	NADALA	S-NPP	31.56636	75.54005	10/21/2021	13:14	D	9.20
287	KAPURTHALA	NADALA	S-NPP	31.57925	75.54743	10/21/2021	13:14	D	15.89
288	KAPURTHALA	NADALA	S-NPP	31.58071	75.49361	10/21/2021	13:14	D	8.98
289	KAPURTHALA	NADALA	S-NPP	31.58548	75.51917	10/21/2021	13:14	D	4.38
290	KAPURTHALA	NADALA	S-NPP	31.58819	75.51311	10/21/2021	13:14	D	4.38
291	KAPURTHALA	NADALA	S-NPP	31.58914	75.51823	10/21/2021	13:14	D	4.38
292	KAPURTHALA	NADALA	S-NPP	31.59076	75.48568	10/21/2021	13:14	D	3.06
293	KAPURTHALA	NADALA	S-NPP	31.59968	75.59539	10/21/2021	13:14	D	2.92
294	KAPURTHALA	NADALA	TERRA	31.52107	75.46184	10/21/2021	11:31	D	9.58
295	KAPURTHALA	NADALA	AQUA	31.57038	75.53765	10/21/2021	13:11	D	23.45
296	KAPURTHALA	NADALA	TERRA	31.57807	75.50635	10/21/2021	11:31	D	11.70
297	KAPURTHALA	NADALA	AQUA	31.57829	75.50978	10/21/2021	13:11	D	25.96
298	KAPURTHALA	NADALA	TERRA	31.58067	75.49178	10/21/2021	11:31	D	17.13
299	KAPURTHALA	NADALA	TERRA	31.58541	75.49951	10/21/2021	11:31	D	29.93
300	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.15967	75.24937	10/21/2021	13:14	D	21.74
301	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.16340	75.24841	10/21/2021	13:14	D	21.74
302	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.17433	75.16185	10/21/2021	13:14	D	6.22
303	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20239	75.08136	10/21/2021	13:14	D	4.35
304	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20247	75.10704	10/21/2021	13:14	D	11.47
305	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20372	75.10924	10/21/2021	13:14	D	14.55
306	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20580	75.08363	10/21/2021	13:14	D	19.22

307	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20615	75.08038	10/21/2021	13:14	D	8.89
308	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.23963	75.29820	10/21/2021	13:14	D	15.28
309	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.23983	75.30077	10/21/2021	13:14	D	12.33
310	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.24209	75.25037	10/21/2021	13:14	D	9.91
311	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.26131	75.24841	10/21/2021	13:14	D	5.77
312	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.29962	75.24411	10/21/2021	13:14	D	4.91
313	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.31167	75.16309	10/21/2021	13:14	D	6.05
314	KAPURTHALA	SULTANPUR LODHI	AQUA	31.16061	75.23385	10/21/2021	13:11	D	19.05
315	KAPURTHALA	SULTANPUR LODHI	AQUA	31.19805	75.10795	10/21/2021	13:11	D	19.11
316	LUDHIANA	JAGRAON	S-NPP	30.79112	75.42506	10/21/2021	13:14	D	13.91
317	LUDHIANA	JAGRAON	S-NPP	30.82172	75.60794	10/21/2021	13:14	D	6.16
318	LUDHIANA	JAGRAON	S-NPP	30.82268	75.61309	10/21/2021	13:14	D	8.57
319	LUDHIANA	KHANNA	S-NPP	30.65256	76.07626	10/21/2021	13:14	D	3.28
320	LUDHIANA	KHANNA	S-NPP	30.68428	76.06332	10/21/2021	13:14	D	15.86
321	LUDHIANA	KHANNA	S-NPP	30.75525	76.24508	10/21/2021	13:14	D	4.27
322	LUDHIANA	MACHHIWARA	S-NPP	30.83073	76.26501	10/21/2021	13:14	D	3.43
323	LUDHIANA	MACHHIWARA	S-NPP	30.84603	76.24615	10/21/2021	13:14	D	4.28
324	LUDHIANA	MACHHIWARA	S-NPP	30.97200	76.23722	10/21/2021	13:14	D	7.82
325	LUDHIANA	MACHHIWARA	S-NPP	30.98341	76.27970	10/21/2021	13:14	D	6.22
326	LUDHIANA	MACHHIWARA	S-NPP	30.98526	76.26920	10/21/2021	13:14	D	3.77
327	LUDHIANA	MACHHIWARA	S-NPP	30.98561	76.26605	10/21/2021	13:14	D	3.69
328	LUDHIANA	MACHHIWARA	S-NPP	30.99192	76.19902	10/21/2021	13:14	D	4.49
329	LUDHIANA	MACHHIWARA	AQUA	30.80515	76.28129	10/21/2021	13:11	D	17.42
330	LUDHIANA	MACHHIWARA	AQUA	30.97572	76.26826	10/21/2021	13:11	D	20.72
331	LUDHIANA	PAKHOWAL	S-NPP	30.71512	75.72340	10/21/2021	13:14	D	9.15
332	LUDHIANA	PAKHOWAL	S-NPP	30.71688	75.71228	10/21/2021	13:14	D	3.31
333	LUDHIANA	PAKHOWAL	S-NPP	30.71753	75.67464	10/21/2021	13:14	D	3.22
334	LUDHIANA	PAKHOWAL	S-NPP	30.71881	75.72248	10/21/2021	13:14	D	5.24
335	LUDHIANA	PAKHOWAL	AQUA	30.71103	75.71318	10/21/2021	13:11	D	17.35
336	LUDHIANA	PAKHOWAL	AQUA	30.71604	75.71631	10/21/2021	13:11	D	19.35
337	LUDHIANA	RAIKOT	S-NPP	30.67761	75.56588	10/21/2021	13:14	D	19.13
338	LUDHIANA	RAIKOT	S-NPP	30.70358	75.55934	10/21/2021	13:14	D	4.06
339	LUDHIANA	RAIKOT	S-NPP	30.70378	75.58102	10/21/2021	13:14	D	2.44

340	LUDHIANA	SAMRALA	S-NPP	30.76252	76.16006	10/21/2021	13:14	D	2.88
341	LUDHIANA	SAMRALA	S-NPP	30.76254	76.18044	10/21/2021	13:14	D	2.73
342	LUDHIANA	SIDHWAN BET	S-NPP	30.81552	75.53373	10/21/2021	13:14	D	13.43
343	LUDHIANA	SIDHWAN BET	S-NPP	30.82269	75.40602	10/21/2021	13:14	D	6.26
344	LUDHIANA	SIDHWAN BET	S-NPP	30.83890	75.55495	10/21/2021	13:14	D	5.44
345	LUDHIANA	SIDHWAN BET	S-NPP	30.87951	75.49857	10/21/2021	13:14	D	3.71
346	LUDHIANA	SIDHWAN BET	S-NPP	30.88322	75.49763	10/21/2021	13:14	D	3.71
347	LUDHIANA	SIDHWAN BET	S-NPP	30.89480	75.53818	10/21/2021	13:14	D	6.94
348	LUDHIANA	SIDHWAN BET	S-NPP	30.90940	75.51277	10/21/2021	13:14	D	5.62
349	LUDHIANA	SUDHAR	S-NPP	30.76548	75.66260	10/21/2021	13:14	D	4.74
350	MANSA	SARDULGARH	S-NPP	29.57038	75.28469	10/21/2021	13:14	D	4.85
351	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.90780	75.35972	10/21/2021	13:14	D	3.63
352	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.01762	75.28207	10/21/2021	13:14	D	2.69
353	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.01825	75.28442	10/21/2021	13:14	D	8.08
354	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.94957	75.25317	10/21/2021	13:11	D	57.49
355	MOGA	MOGA-1	S-NPP	30.73178	75.15510	10/21/2021	13:14	D	2.22
356	MOGA	MOGA-1	S-NPP	30.77433	75.21212	10/21/2021	13:14	D	13.25
357	MOGA	MOGA-1	S-NPP	30.80380	75.38875	10/21/2021	13:14	D	3.35
358	MOGA	MOGA-1	S-NPP	30.81128	75.38686	10/21/2021	13:14	D	3.28
359	MOGA	MOGA-1	S-NPP	30.83691	75.25542	10/21/2021	13:14	D	2.39
360	MOGA	MOGA-2	S-NPP	30.85324	75.09302	10/21/2021	13:14	D	8.76
361	MOGA	MOGA-2	S-NPP	30.86870	75.04899	10/21/2021	13:14	D	2.96
362	MOGA	NIHAL SINGH	S-NPP	30.57127	75.33527	10/21/2021	13:14	D	37.74
363	MOGA	NIHAL SINGH	S-NPP	30.59351	75.31141	10/21/2021	13:14	D	7.21
364	MOGA	NIHAL SINGH	S-NPP	30.59455	75.31674	10/21/2021	13:14	D	32.74
365	MOGA	NIHAL SINGH	AQUA	30.58614	75.30025	10/21/2021	13:11	D	22.16
366	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.32789	74.57419	10/21/2021	13:14	D	3.42
367	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.34949	74.76920	10/21/2021	13:14	D	12.29
368	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.39343	74.70734	10/21/2021	13:14	D	8.02

369	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.39360	74.74947	10/21/2021	13:14	D	2.61
370	MUKTSAR	MALOUT	S-NPP	30.17470	74.39473	10/21/2021	13:14	D	4.52
371	MUKTSAR	MUKTSAR	S-NPP	30.60628	74.48995	10/21/2021	13:14	D	3.24
372	MUKTSAR	MUKTSAR	S-NPP	30.63310	74.60529	10/21/2021	13:14	D	3.50
373	PATIALA	BHUNARHERI	S-NPP	30.09943	76.48683	10/21/2021	13:14	D	2.47
374	PATIALA	BHUNARHERI	S-NPP	30.14584	76.51566	10/21/2021	13:14	D	6.42
375	PATIALA	BHUNARHERI	S-NPP	30.14943	76.51481	10/21/2021	13:14	D	6.42
376	PATIALA	BHUNARHERI	S-NPP	30.16935	76.55672	10/21/2021	13:14	D	1.85
377	PATIALA	BHUNARHERI	S-NPP	30.17150	76.44644	10/21/2021	13:14	D	4.06
378	PATIALA	BHUNARHERI	S-NPP	30.17238	76.45124	10/21/2021	13:14	D	7.18
379	PATIALA	BHUNARHERI	S-NPP	30.18723	76.55244	10/21/2021	13:14	D	2.69
380	PATIALA	BHUNARHERI	S-NPP	30.19929	76.45482	10/21/2021	13:14	D	5.85
381	PATIALA	BHUNARHERI	S-NPP	30.20597	76.55293	10/21/2021	13:14	D	5.73
382	PATIALA	BHUNARHERI	S-NPP	30.21006	76.45222	10/21/2021	13:14	D	2.57
383	PATIALA	BHUNARHERI	S-NPP	30.22452	76.42868	10/21/2021	13:14	D	11.41
384	PATIALA	BHUNARHERI	S-NPP	30.22713	76.44310	10/21/2021	13:14	D	3.18
385	PATIALA	BHUNARHERI	S-NPP	30.23432	76.44138	10/21/2021	13:14	D	19.06
386	PATIALA	BHUNARHERI	S-NPP	30.25101	76.49238	10/21/2021	13:14	D	9.55
387	PATIALA	BHUNARHERI	TERRA	30.17475	76.55385	10/21/2021	11:31	D	25.87
388	PATIALA	BHUNARHERI	TERRA	30.17832	76.54904	10/21/2021	11:31	D	30.85
389	PATIALA	GHANAUR	S-NPP	30.34081	76.55206	10/21/2021	13:14	D	3.80
390	PATIALA	NABHA	S-NPP	30.33622	76.05415	10/21/2021	13:14	D	3.00
391	PATIALA	NABHA	S-NPP	30.37726	76.07004	10/21/2021	13:14	D	11.38
392	PATIALA	NABHA	S-NPP	30.42905	76.06982	10/21/2021	13:14	D	8.75
393	PATIALA	NABHA	S-NPP	30.46643	76.14836	10/21/2021	13:14	D	2.92
394	PATIALA	NABHA	S-NPP	30.48092	76.14481	10/21/2021	13:14	D	4.15
395	PATIALA	NABHA	S-NPP	30.48183	76.14973	10/21/2021	13:14	D	7.54
396	PATIALA	PATIALA	S-NPP	30.25023	76.20107	10/21/2021	13:14	D	3.10
397	PATIALA	PATIALA	S-NPP	30.37313	76.49749	10/21/2021	13:14	D	4.88
398	PATIALA	PATIALA	AQUA	30.41117	76.37509	10/21/2021	13:11	D	60.79
399	PATIALA	PATIALA	AQUA	30.41471	76.39041	10/21/2021	13:11	D	20.19
400	PATIALA	PATRAN	S-NPP	29.82318	76.15135	10/21/2021	13:14	D	4.45
401	PATIALA	PATRAN	S-NPP	29.96852	76.16000	10/21/2021	13:14	D	6.44

402	PATIALA	RAJPURA	S-NPP	30.62365	76.65260	10/21/2021	13:14	D	2.27
403	PATIALA	SAMANA	S-NPP	30.01039	76.22932	10/21/2021	13:14	D	2.14
404	PATIALA	SAMANA	S-NPP	30.18728	76.24506	10/21/2021	13:14	D	44.11
405	PATIALA	SANAUR	S-NPP	30.13143	76.37347	10/21/2021	13:14	D	4.24
406	PATIALA	SANAUR	S-NPP	30.13203	76.37537	10/21/2021	13:14	D	9.83
407	PATIALA	SANAUR	S-NPP	30.13294	76.29906	10/21/2021	13:14	D	12.50
408	PATIALA	SANAUR	S-NPP	30.14198	76.28668	10/21/2021	13:14	D	3.63
409	PATIALA	SANAUR	S-NPP	30.24120	76.37618	10/21/2021	13:14	D	3.10
410	PATIALA	SANAUR	S-NPP	30.32689	76.49586	10/21/2021	13:14	D	4.02
411	PATIALA	SANAUR	AQUA	30.32950	76.49584	10/21/2021	13:11	D	17.16
412	PATIALA	SHAMBU KALAN	S-NPP	30.45236	76.52311	10/21/2021	13:14	D	5.96
413	RUPNAGAR	MORINDA	S-NPP	30.82378	76.45152	10/21/2021	13:14	D	2.65
414	RUPNAGAR	MORINDA	S-NPP	30.83931	76.53656	10/21/2021	13:14	D	3.87
415	SANGRUR	ANDANA	S-NPP	29.81504	75.89997	10/21/2021	13:14	D	2.73
416	SANGRUR	ANDANA	S-NPP	29.85155	76.00525	10/21/2021	13:14	D	3.15
417	SANGRUR	ANDANA	TERRA	29.75503	76.01627	10/21/2021	11:31	D	9.66
418	SANGRUR	BHAWANIGARH	S-NPP	30.20708	76.05122	10/21/2021	13:14	D	3.85
419	SANGRUR	BHAWANIGARH	S-NPP	30.26474	76.15640	10/21/2021	13:14	D	5.30
420	SANGRUR	DIRBA	S-NPP	30.00658	75.92190	10/21/2021	13:14	D	2.92
421	SANGRUR	MALERKOTLA-1	S-NPP	30.42255	76.03510	10/21/2021	13:14	D	4.05
422	SANGRUR	MALERKOTLA-1	S-NPP	30.46268	76.04602	10/21/2021	13:14	D	4.65
423	SANGRUR	SHER PUR	S-NPP	30.32516	75.66397	10/21/2021	13:14	D	2.98
424	SANGRUR	SHER PUR	S-NPP	30.32572	75.66637	10/21/2021	13:14	D	5.36
425	SANGRUR	SHER PUR	S-NPP	30.36660	75.75861	10/21/2021	13:14	D	7.81
426	SANGRUR	SHER PUR	S-NPP	30.43256	75.65598	10/21/2021	13:14	D	19.03
427	SANGRUR	SHER PUR	S-NPP	30.48123	75.76492	10/21/2021	13:14	D	5.56
428	SANGRUR	SHER PUR	S-NPP	30.48219	75.77002	10/21/2021	13:14	D	5.56
429	SANGRUR	SUNAM	S-NPP	30.04212	75.75503	10/21/2021	13:14	D	9.20
430	SAS NAGAR (MOHALI)	KHARAR	S-NPP	30.66025	76.71198	10/21/2021	13:14	D	1.58
431	SAS NAGAR (MOHALI)	KHARAR	AQUA	30.65572	76.65534	10/21/2021	13:11	D	24.77
432	SAS NAGAR (MOHALI)	MAJRI	S-NPP	30.78071	76.69448	10/21/2021	13:14	D	7.64

433	SBS NAGAR	BALACHAUR	S-NPP	31.00705	76.34895	10/21/2021	13:14	D	4.81
434	SBS NAGAR	NAWAN SHAHR	S-NPP	31.05821	76.21307	10/21/2021	13:14	D	22.37
435	SBS NAGAR	SAROYA	S-NPP	31.16713	76.21337	10/21/2021	13:14	D	2.22
436	TARN TARAN	BHIKHIWIND	S-NPP	31.25321	74.68760	10/21/2021	13:14	D	7.76
437	TARN TARAN	BHIKHIWIND	S-NPP	31.28937	74.70757	10/21/2021	13:14	D	18.88
438	TARN TARAN	BHIKHIWIND	S-NPP	31.30083	74.74568	10/21/2021	13:14	D	4.13
439	TARN TARAN	BHIKHIWIND	S-NPP	31.30525	74.64429	10/21/2021	13:14	D	4.23
440	TARN TARAN	BHIKHIWIND	S-NPP	31.30795	74.72034	10/21/2021	13:14	D	2.91
441	TARN TARAN	BHIKHIWIND	S-NPP	31.31342	74.70712	10/21/2021	13:14	D	6.92
442	TARN TARAN	BHIKHIWIND	S-NPP	31.31951	74.63460	10/21/2021	13:14	D	2.89
443	TARN TARAN	BHIKHIWIND	S-NPP	31.32406	74.61343	10/21/2021	13:14	D	2.93
444	TARN TARAN	BHIKHIWIND	S-NPP	31.33530	74.69547	10/21/2021	13:14	D	4.18
445	TARN TARAN	BHIKHIWIND	S-NPP	31.33847	74.64522	10/21/2021	13:14	D	2.93
446	TARN TARAN	BHIKHIWIND	S-NPP	31.37047	74.77413	10/21/2021	13:14	D	3.60
447	TARN TARAN	BHIKHIWIND	S-NPP	31.37153	74.77163	10/21/2021	13:14	D	7.14
448	TARN TARAN	BHIKHIWIND	S-NPP	31.38623	74.74442	10/21/2021	13:14	D	8.26
449	TARN TARAN	BHIKHIWIND	S-NPP	31.39004	74.74343	10/21/2021	13:14	D	7.63
450	TARN TARAN	BHIKHIWIND	S-NPP	31.39167	74.69022	10/21/2021	13:14	D	7.60
451	TARN TARAN	BHIKHIWIND	S-NPP	31.39440	74.68362	10/21/2021	13:14	D	2.70
452	TARN TARAN	BHIKHIWIND	S-NPP	31.40040	74.73486	10/21/2021	13:14	D	6.47
453	TARN TARAN	BHIKHIWIND	S-NPP	31.40971	74.59676	10/21/2021	13:14	D	5.18
454	TARN TARAN	BHIKHIWIND	TERRA	31.30577	74.64978	10/21/2021	11:31	D	19.53
455	TARN TARAN	CHOHLA SAHIB	S-NPP	31.17973	74.96196	10/21/2021	13:14	D	8.67
456	TARN TARAN	CHOHLA SAHIB	S-NPP	31.18143	74.95908	10/21/2021	13:14	D	21.54
457	TARN TARAN	CHOHLA SAHIB	S-NPP	31.18351	74.96098	10/21/2021	13:14	D	35.30
458	TARN TARAN	CHOHLA SAHIB	S-NPP	31.19066	74.94520	10/21/2021	13:14	D	16.18
459	TARN TARAN	CHOHLA SAHIB	S-NPP	31.19551	74.94968	10/21/2021	13:14	D	3.98
460	TARN TARAN	CHOHLA SAHIB	S-NPP	31.22521	74.95918	10/21/2021	13:14	D	4.17
461	TARN TARAN	CHOHLA SAHIB	S-NPP	31.22838	74.97552	10/21/2021	13:14	D	2.21
462	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23340	74.93984	10/21/2021	13:14	D	1.53
463	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23636	74.99630	10/21/2021	13:14	D	3.38
464	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23992	75.03522	10/21/2021	13:14	D	8.03
465	TARN TARAN	CHOHLA SAHIB	S-NPP	31.24644	74.92494	10/21/2021	13:14	D	6.30

466	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28242	75.02988	10/21/2021	13:14	D	3.51
467	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28480	75.00082	10/21/2021	13:14	D	3.12
468	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28642	74.95784	10/21/2021	13:14	D	3.19
469	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28784	74.95435	10/21/2021	13:14	D	3.61
470	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29133	75.05591	10/21/2021	13:14	D	3.45
471	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29233	74.96773	10/21/2021	13:14	D	6.09
472	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29369	74.96426	10/21/2021	13:14	D	6.84
473	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29473	74.96970	10/21/2021	13:14	D	6.84
474	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29611	74.96675	10/21/2021	13:14	D	6.09
475	TARN TARAN	CHOHLA SAHIB	S-NPP	31.30294	75.02192	10/21/2021	13:14	D	2.99
476	TARN TARAN	CHOHLA SAHIB	S-NPP	31.31606	74.96729	10/21/2021	13:14	D	1.70
477	TARN TARAN	CHOHLA SAHIB	S-NPP	31.34598	75.10115	10/21/2021	13:14	D	4.41
478	TARN TARAN	CHOHLA SAHIB	S-NPP	31.34973	75.10018	10/21/2021	13:14	D	6.31
479	TARN TARAN	CHOHLA SAHIB	S-NPP	31.35142	75.08850	10/21/2021	13:14	D	7.14
480	TARN TARAN	CHOHLA SAHIB	S-NPP	31.35543	75.04797	10/21/2021	13:14	D	6.91
481	TARN TARAN	CHOHLA SAHIB	TERRA	31.29348	75.06223	10/21/2021	11:31	D	12.62
482	TARN TARAN	CHOHLA SAHIB	TERRA	31.29599	75.04837	10/21/2021	11:31	D	12.58
483	TARN TARAN	CHOHLA SAHIB	TERRA	31.32918	75.09993	10/21/2021	11:31	D	8.19
484	TARN TARAN	GANDIWIND TATLA	S-NPP	31.45214	74.73294	10/21/2021	13:14	D	5.50
485	TARN TARAN	GANDIWIND TATLA	S-NPP	31.45836	74.66084	10/21/2021	13:14	D	3.83
486	TARN TARAN	GANDIWIND TATLA	S-NPP	31.45863	74.65941	10/21/2021	13:14	D	3.52
487	TARN TARAN	GANDIWIND TATLA	S-NPP	31.46312	74.70661	10/21/2021	13:14	D	5.85
488	TARN TARAN	GANDIWIND TATLA	S-NPP	31.46364	74.70508	10/21/2021	13:14	D	8.05
489	TARN TARAN	GANDIWIND TATLA	S-NPP	31.46966	74.71520	10/21/2021	13:14	D	4.32
490	TARN TARAN	GANDIWIND TATLA	S-NPP	31.47948	74.72431	10/21/2021	13:14	D	5.22
491	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48275	74.74096	10/21/2021	13:14	D	4.91
492	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48873	74.71019	10/21/2021	13:14	D	11.45
493	TARN TARAN	GANDIWIND TATLA	S-NPP	31.49905	74.61920	10/21/2021	13:14	D	8.03
494	TARN TARAN	GANDIWIND TATLA	S-NPP	31.51763	74.67325	10/21/2021	13:14	D	3.11
495	TARN TARAN	GANDIWIND TATLA	S-NPP	31.52192	74.73648	10/21/2021	13:14	D	16.91
496	TARN TARAN	GANDIWIND TATLA	S-NPP	31.55650	74.79130	10/21/2021	13:14	D	3.76
497	TARN TARAN	KHADUR SAHIB	S-NPP	31.41296	75.18441	10/21/2021	13:14	D	2.36
498	TARN TARAN	KHADUR SAHIB	S-NPP	31.42260	75.13181	10/21/2021	13:14	D	5.19

499	TARN TARAN	KHADUR SAHIB	S-NPP	31.42361	75.13714	10/21/2021	13:14	D	38.02
500	TARN TARAN	KHADUR SAHIB	S-NPP	31.45560	75.18214	10/21/2021	13:14	D	2.85
501	TARN TARAN	KHADUR SAHIB	S-NPP	31.45594	75.20422	10/21/2021	13:14	D	5.23
502	TARN TARAN	KHADUR SAHIB	S-NPP	31.45999	75.16433	10/21/2021	13:14	D	7.22
503	TARN TARAN	KHADUR SAHIB	S-NPP	31.46058	75.08593	10/21/2021	13:14	D	2.58
504	TARN TARAN	KHADUR SAHIB	S-NPP	31.47186	75.14454	10/21/2021	13:14	D	7.84
505	TARN TARAN	KHADUR SAHIB	S-NPP	31.47526	75.18262	10/21/2021	13:14	D	3.18
506	TARN TARAN	KHADUR SAHIB	S-NPP	31.47560	75.14358	10/21/2021	13:14	D	14.82
507	TARN TARAN	KHADUR SAHIB	S-NPP	31.47995	75.24777	10/21/2021	13:14	D	8.10
508	TARN TARAN	KHADUR SAHIB	S-NPP	31.48441	75.16914	10/21/2021	13:14	D	4.51
509	TARN TARAN	KHADUR SAHIB	S-NPP	31.49150	75.20615	10/21/2021	13:14	D	2.73
510	TARN TARAN	KHADUR SAHIB	S-NPP	31.50035	75.17059	10/21/2021	13:14	D	16.44
511	TARN TARAN	KHADUR SAHIB	S-NPP	31.52200	75.18165	10/21/2021	13:14	D	4.96
512	TARN TARAN	KHADUR SAHIB	AQUA	31.49154	75.16679	10/21/2021	13:11	D	29.13
513	TARN TARAN	KHADUR SAHIB	TERRA	31.49754	75.19694	10/21/2021	11:31	D	9.44
514	TARN TARAN	KHADUR SAHIB	AQUA	31.50727	75.10766	10/21/2021	13:11	D	18.83
515	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.33643	74.99050	10/21/2021	13:14	D	27.75
516	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.34334	75.00576	10/21/2021	13:14	D	7.23
517	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.34523	74.95399	10/21/2021	13:14	D	16.09
518	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.36011	74.99004	10/21/2021	13:14	D	7.44
519	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.36115	74.99545	10/21/2021	13:14	D	8.26
520	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.37910	74.88203	10/21/2021	13:14	D	11.32
521	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38984	74.94571	10/21/2021	13:14	D	7.52
522	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.39057	74.94214	10/21/2021	13:14	D	10.22
523	TARN TARAN	PATTI	S-NPP	31.14833	74.81137	10/21/2021	13:14	D	16.82
524	TARN TARAN	PATTI	S-NPP	31.15215	74.81037	10/21/2021	13:14	D	8.96
525	TARN TARAN	PATTI	S-NPP	31.15977	74.85735	10/21/2021	13:14	D	2.17
526	TARN TARAN	PATTI	S-NPP	31.16089	74.85468	10/21/2021	13:14	D	10.58
527	TARN TARAN	PATTI	S-NPP	31.16358	74.85637	10/21/2021	13:14	D	8.31
528	TARN TARAN	PATTI	S-NPP	31.16821	74.90152	10/21/2021	13:14	D	19.46
529	TARN TARAN	PATTI	S-NPP	31.16926	74.90703	10/21/2021	13:14	D	19.46
530	TARN TARAN	PATTI	S-NPP	31.17065	74.90424	10/21/2021	13:14	D	36.42
531	TARN TARAN	PATTI	S-NPP	31.17201	74.90053	10/21/2021	13:14	D	9.13

532	TARN TARAN	PATTI	S-NPP	31.18762	74.76607	10/21/2021	13:14	D	12.18
533	TARN TARAN	PATTI	S-NPP	31.19145	74.76508	10/21/2021	13:14	D	9.12
534	TARN TARAN	PATTI	S-NPP	31.20854	74.93481	10/21/2021	13:14	D	13.86
535	TARN TARAN	PATTI	S-NPP	31.20949	74.75449	10/21/2021	13:14	D	1.53
536	TARN TARAN	PATTI	S-NPP	31.21233	74.93384	10/21/2021	13:14	D	13.86
537	TARN TARAN	PATTI	S-NPP	31.23087	74.71947	10/21/2021	13:14	D	2.91
538	TARN TARAN	PATTI	S-NPP	31.24327	74.90850	10/21/2021	13:14	D	3.56
539	TARN TARAN	PATTI	S-NPP	31.25000	74.86051	10/21/2021	13:14	D	2.21
540	TARN TARAN	PATTI	S-NPP	31.25317	74.87704	10/21/2021	13:14	D	4.59
541	TARN TARAN	PATTI	S-NPP	31.25324	74.73124	10/21/2021	13:14	D	2.91
542	TARN TARAN	PATTI	S-NPP	31.25330	74.72881	10/21/2021	13:14	D	4.23
543	TARN TARAN	PATTI	S-NPP	31.25736	74.79462	10/21/2021	13:14	D	3.12
544	TARN TARAN	PATTI	S-NPP	31.25776	74.79204	10/21/2021	13:14	D	3.78
545	TARN TARAN	PATTI	S-NPP	31.26157	74.79105	10/21/2021	13:14	D	3.78
546	TARN TARAN	PATTI	S-NPP	31.26288	74.88608	10/21/2021	13:14	D	4.61
547	TARN TARAN	PATTI	S-NPP	31.26498	74.79262	10/21/2021	13:14	D	18.86
548	TARN TARAN	PATTI	S-NPP	31.26538	74.79005	10/21/2021	13:14	D	15.90
549	TARN TARAN	PATTI	S-NPP	31.26965	74.83797	10/21/2021	13:14	D	7.99
550	TARN TARAN	PATTI	S-NPP	31.26983	74.90157	10/21/2021	13:14	D	9.81
551	TARN TARAN	PATTI	S-NPP	31.27190	74.90423	10/21/2021	13:14	D	6.68
552	TARN TARAN	PATTI	S-NPP	31.28764	74.88285	10/21/2021	13:14	D	10.52
553	TARN TARAN	PATTI	S-NPP	31.29807	74.79315	10/21/2021	13:14	D	5.49
554	TARN TARAN	PATTI	S-NPP	31.36016	74.88697	10/21/2021	13:14	D	2.75
555	TARN TARAN	PATTI	TERRA	31.19317	74.93947	10/21/2021	11:31	D	11.00
556	TARN TARAN	TARN TARAN	S-NPP	31.36884	74.81886	10/21/2021	13:14	D	2.34
557	TARN TARAN	TARN TARAN	S-NPP	31.37133	74.82046	10/21/2021	13:14	D	8.59
558	TARN TARAN	TARN TARAN	S-NPP	31.37265	74.81787	10/21/2021	13:14	D	3.29
559	TARN TARAN	TARN TARAN	S-NPP	31.38025	74.77518	10/21/2021	13:14	D	7.84
560	TARN TARAN	TARN TARAN	S-NPP	31.38133	74.78072	10/21/2021	13:14	D	7.84
561	TARN TARAN	TARN TARAN	S-NPP	31.43769	74.96749	10/21/2021	13:14	D	3.82
562	TARN TARAN	TARN TARAN	S-NPP	31.43952	74.77128	10/21/2021	13:14	D	3.00
563	TARN TARAN	TARN TARAN	S-NPP	31.45864	74.87046	10/21/2021	13:14	D	4.68
564	TARN TARAN	TARN TARAN	S-NPP	31.47251	74.90128	10/21/2021	13:14	D	3.09

565	TARN TARAN	TARN TARAN	S-NPP	31.47967	74.87644	10/21/2021	13:14	D	7.46
566	TARN TARAN	TARN TARAN	S-NPP	31.48820	74.76863	10/21/2021	13:14	D	3.28
567	TARN TARAN	TARN TARAN	TERRA	31.38556	74.84198	10/21/2021	11:31	D	11.90
568	TARN TARAN	TARN TARAN	TERRA	31.39559	74.84439	10/21/2021	11:31	D	14.27
569	TARN TARAN	TARN TARAN	TERRA	31.42074	74.81413	10/21/2021	11:31	D	7.80
570	TARN TARAN	TARN TARAN	TERRA	31.42268	74.80885	10/21/2021	11:31	D	12.27
571	TARN TARAN	TARN TARAN	TERRA	31.42314	74.80074	10/21/2021	11:31	D	7.48
572	TARN TARAN	TARN TARAN	TERRA	31.45688	74.96387	10/21/2021	11:31	D	11.39
573	TARN TARAN	TARN TARAN	TERRA	31.47842	74.84194	10/21/2021	11:31	D	7.12
574	TARN TARAN	VALTOHA	S-NPP	31.11275	74.71727	10/21/2021	13:14	D	5.17
575	TARN TARAN	VALTOHA	S-NPP	31.13259	74.65047	10/21/2021	13:14	D	7.57
576	TARN TARAN	VALTOHA	S-NPP	31.13643	74.64947	10/21/2021	13:14	D	6.09
577	TARN TARAN	VALTOHA	S-NPP	31.15365	74.71607	10/21/2021	13:14	D	5.10
578	TARN TARAN	VALTOHA	S-NPP	31.16899	74.71206	10/21/2021	13:14	D	3.79
579	TARN TARAN	VALTOHA	S-NPP	31.17172	74.70544	10/21/2021	13:14	D	7.88
580	TARN TARAN	VALTOHA	S-NPP	31.17283	74.71105	10/21/2021	13:14	D	7.88
581	TARN TARAN	VALTOHA	S-NPP	31.17304	74.52599	10/21/2021	13:14	D	3.81
582	TARN TARAN	VALTOHA	S-NPP	31.17393	74.71667	10/21/2021	13:14	D	5.88
583	TARN TARAN	VALTOHA	S-NPP	31.17503	74.72227	10/21/2021	13:14	D	5.88
584	TARN TARAN	VALTOHA	S-NPP	31.18645	74.59458	10/21/2021	13:14	D	5.30
585	TARN TARAN	VALTOHA	S-NPP	31.21450	74.67650	10/21/2021	13:14	D	2.83
586	TARN TARAN	VALTOHA	S-NPP	31.27608	74.59843	10/21/2021	13:14	D	6.30
587	TARN TARAN	VALTOHA	S-NPP	31.28214	74.60875	10/21/2021	13:14	D	6.91
588	TARN TARAN	VALTOHA	S-NPP	31.28808	74.53540	10/21/2021	13:14	D	6.40
589	TARN TARAN	VALTOHA	S-NPP	31.31318	74.53869	10/21/2021	13:14	D	3.92
590	TARN TARAN	VALTOHA	S-NPP	31.31346	74.54069	10/21/2021	13:14	D	3.83
591	TARN TARAN	VALTOHA	TERRA	31.16405	74.57647	10/21/2021	11:31	D	16.68
592	TARN TARAN	VALTOHA	TERRA	31.16483	74.63157	10/21/2021	11:31	D	13.14
593	TARN TARAN	VALTOHA	TERRA	31.16634	74.56334	10/21/2021	11:31	D	17.00
594	TARN TARAN	VALTOHA	TERRA	31.18780	74.61600	10/21/2021	11:31	D	12.28
595	TARN TARAN	VALTOHA	TERRA	31.19014	74.60283	10/21/2021	11:31	D	8.56
596	TARN TARAN	VALTOHA	TERRA	31.23057	74.66742	10/21/2021	11:31	D	8.14
597	TARN TARAN	VALTOHA	TERRA	31.23289	74.65417	10/21/2021	11:31	D	6.12

Details of residue burning events in Haryana on 21-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	AMBALA-II	S-NPP	30.26744	76.66649	10/21/2021	13:14	D	3.09
2	AMBALA	BARARA	S-NPP	30.17256	77.03478	10/21/2021	13:14	D	5.85
3	AMBALA	BARARA	S-NPP	30.24422	77.08908	10/21/2021	13:14	D	1.24
4	AMBALA	NARAINGARH	S-NPP	30.44368	77.14864	10/21/2021	13:14	D	1.49
5	AMBALA	SAHA	S-NPP	30.30153	77.06295	10/21/2021	13:14	D	5.97
6	FATEHABAD	FATEHABAD	S-NPP	29.55231	75.52270	10/21/2021	13:14	D	1.77
7	FATEHABAD	JAKHAL	S-NPP	29.74889	75.75429	10/21/2021	13:14	D	8.94
8	FATEHABAD	RATIA	S-NPP	29.59428	75.53474	10/21/2021	13:14	D	2.08
9	FATEHABAD	RATIA	S-NPP	29.70814	75.41447	10/21/2021	13:14	D	7.79
10	FATEHABAD	TOHANA	S-NPP	29.64955	75.86733	10/21/2021	13:14	D	8.20
11	FATEHABAD	TOHANA	S-NPP	29.65004	75.93166	10/21/2021	13:14	D	2.64
12	JIND	ALEWA	S-NPP	29.42818	76.45811	10/21/2021	13:14	D	3.82
13	JIND	ALEWA	S-NPP	29.46618	76.47955	10/21/2021	13:14	D	3.11
14	JIND	PILLUKHERA	S-NPP	29.41819	76.46558	10/21/2021	13:14	D	6.48
15	JIND	UCHANA	S-NPP	29.51778	76.14439	10/21/2021	13:14	D	3.36
16	KAITHAL	GUHLA	S-NPP	30.00496	76.24091	10/21/2021	13:14	D	7.90
17	KAITHAL	GUHLA	S-NPP	30.01039	76.22932	10/21/2021	13:14	D	2.14
18	KAITHAL	GUHLA	S-NPP	30.01431	76.36951	10/21/2021	13:14	D	1.69
19	KAITHAL	GUHLA	S-NPP	30.01792	76.36864	10/21/2021	13:14	D	4.11
20	KAITHAL	GUHLA	S-NPP	30.01953	76.25792	10/21/2021	13:14	D	2.55
21	KAITHAL	GUHLA	S-NPP	30.03043	76.27578	10/21/2021	13:14	D	3.96
22	KAITHAL	GUHLA	S-NPP	30.04217	76.37982	10/21/2021	13:14	D	2.16
23	KAITHAL	GUHLA	S-NPP	30.04584	76.29761	10/21/2021	13:14	D	9.70
24	KAITHAL	GUHLA	S-NPP	30.09338	76.43310	10/21/2021	13:14	D	6.57
25	KAITHAL	GUHLA	S-NPP	30.11022	76.25645	10/21/2021	13:14	D	3.81
26	KAITHAL	GUHLA	TERRA	30.00201	76.30928	10/21/2021	11:31	D	27.54
27	KAITHAL	KAITHAL	S-NPP	29.82196	76.51180	10/21/2021	13:14	D	2.05
28	KAITHAL	KAITHAL	S-NPP	29.83130	76.52223	10/21/2021	13:14	D	1.75
29	KAITHAL	KAITHAL	S-NPP	29.86179	76.54500	10/21/2021	13:14	D	1.57
30	KAITHAL	KAITHAL	S-NPP	29.87904	76.49579	10/21/2021	13:14	D	27.92

31	KAITHAL	KAITHAL	S-NPP	29.88176	76.49011	10/21/2021	13:14	D	5.19
32	KAITHAL	KAITHAL	S-NPP	29.89510	76.52204	10/21/2021	13:14	D	3.06
33	KAITHAL	KAITHAL	S-NPP	29.94191	76.46773	10/21/2021	13:14	D	3.37
34	KAITHAL	KALAYAT	S-NPP	29.71856	76.31837	10/21/2021	13:14	D	6.88
35	KAITHAL	PUNDRI	S-NPP	29.68762	76.62177	10/21/2021	13:14	D	1.65
36	KAITHAL	PUNDRI	S-NPP	29.71706	76.63966	10/21/2021	13:14	D	6.38
37	KAITHAL	PUNDRI	S-NPP	29.82947	76.59500	10/21/2021	13:14	D	3.41
38	KAITHAL	PUNDRI	S-NPP	29.83821	76.62277	10/21/2021	13:14	D	2.31
39	KAITHAL	PUNDRI	S-NPP	29.85680	76.64315	10/21/2021	13:14	D	4.20
40	KAITHAL	PUNDRI	S-NPP	29.85693	76.64069	10/21/2021	13:14	D	3.96
41	KAITHAL	PUNDRI	S-NPP	29.86631	76.67551	10/21/2021	13:14	D	4.94
42	KAITHAL	PUNDRI	S-NPP	29.86659	76.67301	10/21/2021	13:14	D	2.52
43	KAITHAL	PUNDRI	S-NPP	29.88521	76.69325	10/21/2021	13:14	D	6.00
44	KAITHAL	PUNDRI	S-NPP	29.91205	76.67703	10/21/2021	13:14	D	7.79
45	KAITHAL	PUNDRI	AQUA	29.70188	76.67990	10/21/2021	13:11	D	28.19
46	KAITHAL	RAJOUND	S-NPP	29.57941	76.45975	10/21/2021	13:14	D	2.74
47	KAITHAL	RAJOUND	S-NPP	29.59752	76.45542	10/21/2021	13:14	D	3.38
48	KAITHAL	SIWAN	S-NPP	29.84424	76.30636	10/21/2021	13:14	D	6.29
49	KAITHAL	SIWAN	S-NPP	29.90121	76.26920	10/21/2021	13:14	D	6.80
50	KAITHAL	SIWAN	S-NPP	29.93755	76.34225	10/21/2021	13:14	D	5.99
51	KAITHAL	SIWAN	S-NPP	29.95191	76.41997	10/21/2021	13:14	D	10.08
52	KAITHAL	SIWAN	S-NPP	29.95280	76.42480	10/21/2021	13:14	D	10.08
53	KAITHAL	SIWAN	S-NPP	29.95731	76.42877	10/21/2021	13:14	D	11.31
54	KAITHAL	SIWAN	S-NPP	29.96006	76.40285	10/21/2021	13:14	D	4.50
55	KAITHAL	SIWAN	S-NPP	30.00339	76.39242	10/21/2021	13:14	D	2.54
56	KARNAL	ASSANDH	S-NPP	29.48959	76.50438	10/21/2021	13:14	D	2.20
57	KARNAL	ASSANDH	S-NPP	29.50928	76.77917	10/21/2021	13:14	D	2.90
58	KARNAL	ASSANDH	S-NPP	29.52595	76.80965	10/21/2021	13:14	D	2.81
59	KARNAL	ASSANDH	S-NPP	29.56477	76.83970	10/21/2021	13:14	D	2.22
60	KARNAL	ASSANDH	S-NPP	29.58380	76.79292	10/21/2021	13:14	D	2.93
61	KARNAL	ASSANDH	S-NPP	29.58852	76.75739	10/21/2021	13:14	D	8.53
62	KARNAL	ASSANDH	S-NPP	29.62494	76.77340	10/21/2021	13:14	D	4.71
63	KARNAL	CHIRAO	S-NPP	29.60550	76.95335	10/21/2021	13:14	D	2.18

64	KARNAL	CHIRAO	S-NPP	29.63152	76.83067	10/21/2021	13:14	D	10.16
65	KARNAL	CHIRAO	S-NPP	29.64996	76.85073	10/21/2021	13:14	D	5.65
66	KARNAL	CHIRAO	S-NPP	29.65268	76.84521	10/21/2021	13:14	D	3.08
67	KARNAL	CHIRAO	S-NPP	29.66252	76.83802	10/21/2021	13:14	D	3.53
68	KARNAL	CHIRAO	S-NPP	29.66504	76.83246	10/21/2021	01:57	N	24.66
69	KARNAL	CHIRAO	S-NPP	29.66730	76.88561	10/21/2021	13:14	D	2.71
70	KARNAL	CHIRAO	S-NPP	29.67274	76.87460	10/21/2021	13:14	D	1.28
71	KARNAL	CHIRAO	S-NPP	29.68854	76.87240	10/21/2021	13:14	D	2.94
72	KARNAL	CHIRAO	S-NPP	29.70960	76.68110	10/21/2021	13:14	D	16.80
73	KARNAL	CHIRAO	S-NPP	29.71047	76.68584	10/21/2021	13:14	D	16.80
74	KARNAL	CHIRAO	S-NPP	29.74027	76.74782	10/21/2021	13:14	D	7.68
75	KARNAL	CHIRAO	AQUA	29.62429	76.75864	10/21/2021	13:11	D	14.08
76	KARNAL	CHIRAO	AQUA	29.62475	76.82691	10/21/2021	13:11	D	95.32
77	KARNAL	CHIRAO	TERRA	29.66589	76.83429	10/21/2021	11:31	D	16.07
78	KARNAL	CHIRAO	AQUA	29.66797	76.84512	10/21/2021	02:12	N	18.63
79	KARNAL	CHIRAO	AQUA	29.66942	76.83451	10/21/2021	02:12	N	27.32
80	KARNAL	CHIRAO	AQUA	29.70242	76.68662	10/21/2021	13:11	D	20.88
81	KARNAL	CHIRAO	AQUA	29.74052	76.74523	10/21/2021	13:11	D	14.70
82	KARNAL	GHARAUNDA	S-NPP	29.52265	77.03846	10/21/2021	13:14	D	6.34
83	KARNAL	GHARAUNDA	S-NPP	29.52514	77.05227	10/21/2021	13:14	D	2.77
84	KARNAL	GHARAUNDA	S-NPP	29.52913	77.01293	10/21/2021	13:14	D	5.04
85	KARNAL	GHARAUNDA	S-NPP	29.56864	77.02776	10/21/2021	13:14	D	2.51
86	KARNAL	GHARAUNDA	S-NPP	29.57247	77.07002	10/21/2021	13:14	D	3.53
87	KARNAL	GHARAUNDA	S-NPP	29.57582	76.88102	10/21/2021	13:14	D	2.19
88	KARNAL	GHARAUNDA	S-NPP	29.57693	76.87761	10/21/2021	13:14	D	2.71
89	KARNAL	GHARAUNDA	S-NPP	29.60839	76.92851	10/21/2021	13:14	D	6.04
90	KARNAL	GHARAUNDA	S-NPP	29.60924	76.93315	10/21/2021	13:14	D	6.04
91	KARNAL	GHARAUNDA	S-NPP	29.60939	77.07099	10/21/2021	13:14	D	2.34
92	KARNAL	INDRI	S-NPP	29.82634	77.02977	10/21/2021	13:14	D	3.82
93	KARNAL	INDRI	S-NPP	29.92062	77.06502	10/21/2021	13:14	D	3.50
94	KARNAL	INDRI	S-NPP	29.93446	77.02579	10/21/2021	13:14	D	3.44
95	KARNAL	INDRI	S-NPP	29.93757	77.20295	10/21/2021	13:14	D	2.60
96	KARNAL	KARNAL	S-NPP	29.64311	77.05995	10/21/2021	13:14	D	4.23

97	KARNAL	KARNAL	S-NPP	29.65370	77.05749	10/21/2021	13:14	D	4.45
98	KARNAL	KARNAL	S-NPP	29.65558	77.04747	10/21/2021	13:14	D	4.43
99	KARNAL	KARNAL	S-NPP	29.70139	76.92273	10/21/2021	13:14	D	3.08
100	KARNAL	KARNAL	S-NPP	29.75753	77.02987	10/21/2021	13:14	D	3.66
101	KARNAL	KARNAL	S-NPP	29.77979	77.13422	10/21/2021	13:14	D	2.62
102	KARNAL	KARNAL	S-NPP	29.79905	77.01541	10/21/2021	13:14	D	4.64
103	KARNAL	KARNAL	S-NPP	29.81494	77.02764	10/21/2021	13:14	D	5.70
104	KARNAL	KARNAL	S-NPP	29.81559	77.02588	10/21/2021	13:14	D	6.24
105	KARNAL	NILOKHERI	S-NPP	29.87549	76.89327	10/21/2021	13:14	D	9.08
106	KARNAL	NILOKHERI	S-NPP	29.88164	76.69410	10/21/2021	13:14	D	3.42
107	KARNAL	NILOKHERI	S-NPP	29.88340	76.89626	10/21/2021	13:14	D	4.83
108	KARNAL	NILOKHERI	S-NPP	29.88423	76.90089	10/21/2021	13:14	D	4.83
109	KARNAL	NILOKHERI	S-NPP	29.88964	76.69713	10/21/2021	13:14	D	6.00
110	KURUKSHETRA	BABAIN	S-NPP	30.13299	76.97129	10/21/2021	13:14	D	2.19
111	KURUKSHETRA	PEHOWA	S-NPP	29.98667	76.69070	10/21/2021	13:14	D	7.58
112	KURUKSHETRA	PEHOWA	S-NPP	30.01372	76.49068	10/21/2021	13:14	D	6.00
113	KURUKSHETRA	PEHOWA	AQUA	30.00783	76.48640	10/21/2021	13:11	D	21.41
114	KURUKSHETRA	SHAHBAD	S-NPP	30.22520	76.84197	10/21/2021	13:14	D	3.00
115	KURUKSHETRA	THANESAR	S-NPP	29.88713	76.80547	10/21/2021	13:14	D	3.47
116	KURUKSHETRA	THANESAR	S-NPP	29.88925	76.75613	10/21/2021	13:14	D	2.56
117	KURUKSHETRA	THANESAR	S-NPP	29.92299	76.75794	10/21/2021	13:14	D	11.99
118	KURUKSHETRA	THANESAR	S-NPP	29.92789	76.80560	10/21/2021	13:14	D	2.63
119	KURUKSHETRA	THANESAR	S-NPP	29.92890	76.68781	10/21/2021	13:14	D	3.20
120	PANIPAT	ISRANA	S-NPP	29.27225	76.73660	10/21/2021	13:14	D	3.21
121	PANIPAT	MADLAUDA	S-NPP	29.43441	76.84338	10/21/2021	13:14	D	3.49
122	PANIPAT	PANIPAT	S-NPP	29.46181	76.93451	10/21/2021	13:14	D	3.61
123	SIRSA	NATHUSARI CHOPTA	S-NPP	29.50366	75.27251	10/21/2021	13:14	D	3.98
124	SIRSA	RANIA	S-NPP	29.50405	74.85666	10/21/2021	13:14	D	4.02
125	SIRSA	SIRSA	S-NPP	29.51183	75.06171	10/21/2021	01:57	N	0.51
126	SONIPAT	MUNDLANA	S-NPP	29.21877	76.75243	10/21/2021	13:14	D	3.57
127	YAMUNANAGAR	JAGADHRI	S-NPP	30.05080	77.29100	10/21/2021	13:14	D	3.52
128	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.21325	77.11993	10/21/2021	13:14	D	1.89
129	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.25784	77.20811	10/21/2021	13:14	D	3.97

130	YAMUNANAGAR	RADAUR	S-NPP	29.94106	77.20213	10/21/2021	13:14	D	2.82
131	YAMUNANAGAR	SADHAURA	S-NPP	30.40747	77.18981	10/21/2021	13:14	D	2.09

Details of residue burning events in Uttar Pradesh on 21-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	BIJNOR	CHANDPUR	S-NPP	29.15234	78.31435	10/21/2021	13:14	D	2.57
2	SHARANPUR	BEHAT	S-NPP	30.06894	77.66313	10/21/2021	13:14	D	3.83
3	SHARANPUR	BEHAT	S-NPP	30.06970	77.66748	10/21/2021	13:14	D	6.63
4	SHARANPUR	BEHAT	S-NPP	30.07314	77.66670	10/21/2021	13:14	D	3.86
5	UNNAO	HASANGANJ	S-NPP	26.77825	80.73530	10/21/2021	13:14	D	1.77

Details of residue burning events in Rajasthan on 21-Oct-2021

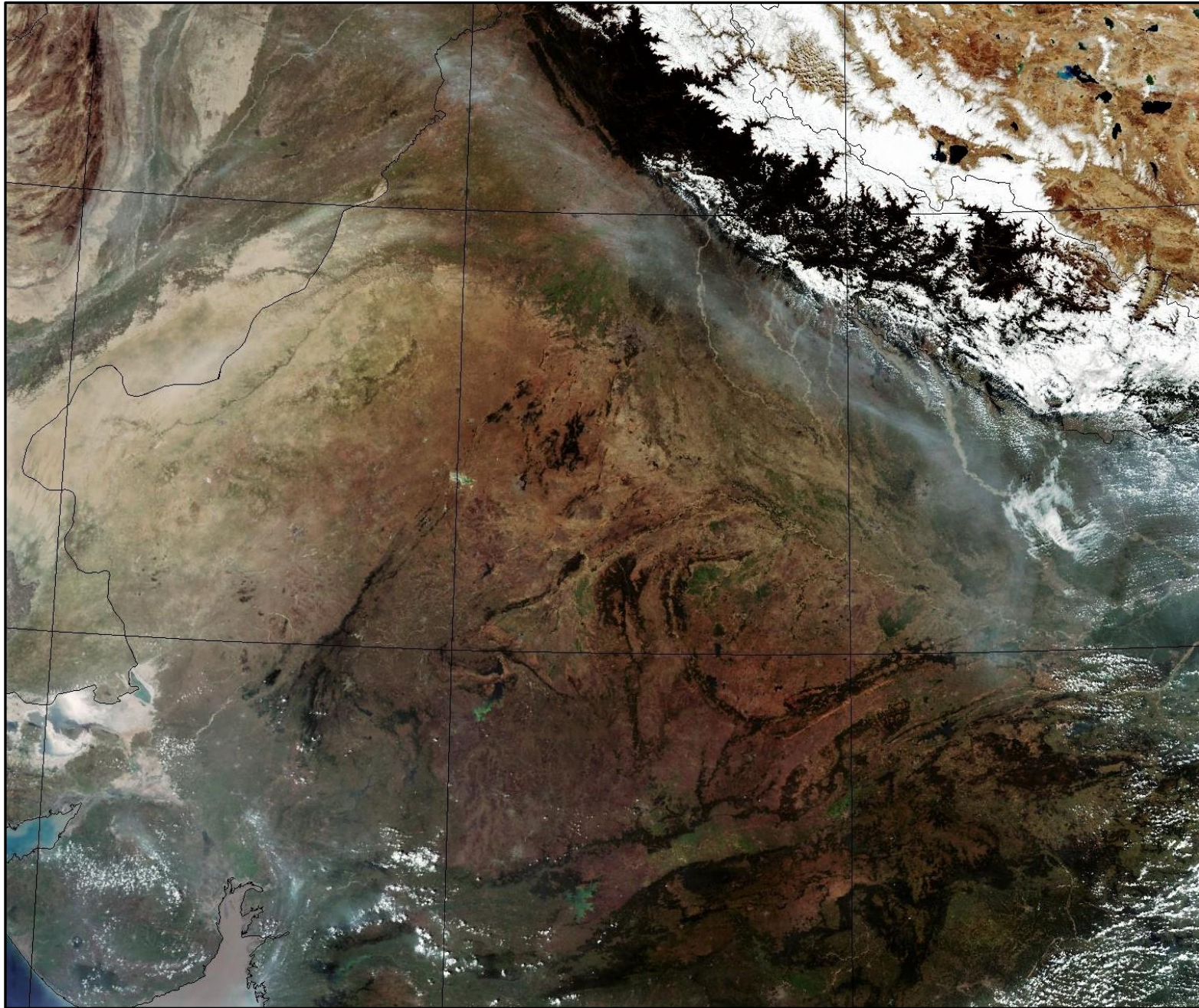
S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	HANUMANGARH	HANUMANGARH	S-NPP	29.51791	74.20684	10/21/2021	13:14	D	6.04
2	HANUMANGARH	TIBI	S-NPP	29.64643	74.50957	10/21/2021	13:14	D	3.53

Details of residue burning events in Madhya Pradesh on 21-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	CHHINDWARA	CHHINDWARA	S-NPP	22.07270	79.02350	10/21/2021	13:11	D	3.45
2	CHHINDWARA	JAMAI	S-NPP	22.18599	78.57278	10/21/2021	01:59	N	0.44
3	DAMOH	JABERA	S-NPP	23.59886	79.81833	10/21/2021	13:11	D	2.87
4	DAMOH	TENDUKHERA	S-NPP	23.27555	79.38087	10/21/2021	13:11	D	6.58
5	DAMOH	TENDUKHERA	S-NPP	23.29915	79.37182	10/21/2021	13:11	D	1.47
6	HOSHANGABAD	HOSHANGABAD	S-NPP	22.58983	77.64385	10/21/2021	13:11	D	2.44
7	MANDLA	BACHHIYA	S-NPP	22.41660	80.74032	10/21/2021	13:11	D	4.08
8	PANNA	SHAHNAGAR	S-NPP	24.11231	79.83186	10/21/2021	13:11	D	4.84
9	SAGAR	DEVRI	S-NPP	23.49737	79.02705	10/21/2021	13:11	D	3.72
10	SAGAR	KESALI	S-NPP	23.54508	78.84367	10/21/2021	13:11	D	1.18
11	SATNA	AMARPATAN	S-NPP	24.49479	81.12280	10/21/2021	13:11	D	6.07
12	SATNA	AMARPATAN	S-NPP	24.49810	81.12218	10/21/2021	13:11	D	5.89
13	SEONI	GHANSAUR	S-NPP	22.42107	79.85764	10/21/2021	13:11	D	2.25
14	SEONI	GHANSAUR	S-NPP	22.44233	79.89987	10/21/2021	13:11	D	2.80
15	SEONI	GHANSAUR	S-NPP	22.47800	79.92240	10/21/2021	13:11	D	2.39
16	SEONI	GHANSAUR	S-NPP	22.50182	79.83861	10/21/2021	13:11	D	1.79
17	SEONI	GHANSAUR	S-NPP	22.51836	79.83125	10/21/2021	13:11	D	4.90
18	SEONI	KEWLARI	S-NPP	22.27471	79.84344	10/21/2021	13:11	D	2.73
19	SEONI	KEWLARI	S-NPP	22.30646	79.82036	10/21/2021	13:11	D	1.60
20	SEONI	KEWLARI	S-NPP	22.37832	79.81522	10/21/2021	13:11	D	4.48
21	SEONI	KEWLARI	S-NPP	22.38592	79.81798	10/21/2021	13:11	D	5.16
22	SEONI	LAKHNADOU	S-NPP	22.47395	79.63155	10/21/2021	13:11	D	5.48
23	SEONI	SEONI	S-NPP	22.03878	79.45798	10/21/2021	13:11	D	1.49
24	SEONI	SEONI	S-NPP	22.12922	79.48025	10/21/2021	13:11	D	11.15
25	SEONI	SEONI	S-NPP	22.16180	79.37309	10/21/2021	13:11	D	2.83

26	SEONI	SEONI	S-NPP	22.19166	79.50719	10/21/2021	13:11	D	4.08
27	SEONI	SEONI	S-NPP	22.19731	79.51627	10/21/2021	13:11	D	7.23
28	SEONI	SEONI	S-NPP	22.20078	79.51847	10/21/2021	13:11	D	6.31
29	SEONI	SEONI	S-NPP	22.21271	79.69704	10/21/2021	13:11	D	2.92
30	SEONI	SEONI	S-NPP	22.33696	79.74667	10/21/2021	13:11	D	8.65

SNPP (VIIRS) Satellite image (TCC) of North and Central India Acquired on 21-Oct-2021 at 13:11:00 IST by IARI Ground Station



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

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

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

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