



**Bulletin
No. 32**

**Events Date:
16-Oct-2021**

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16-Oct-2021**



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



Prepared by:

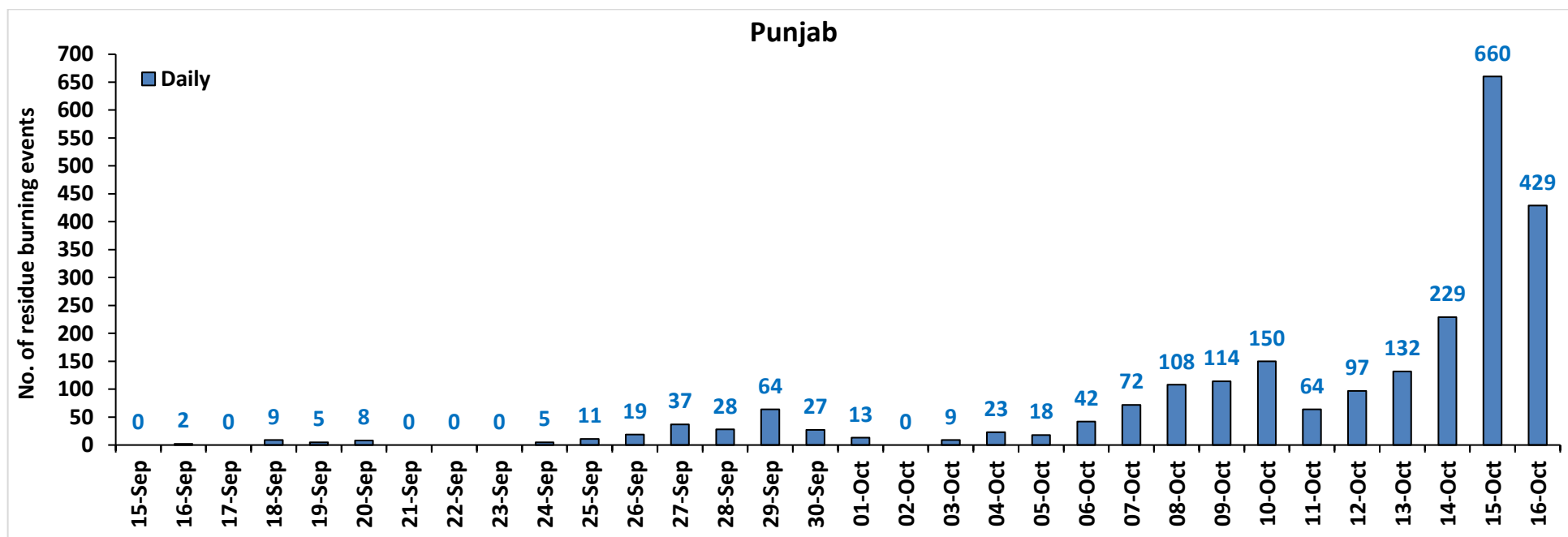
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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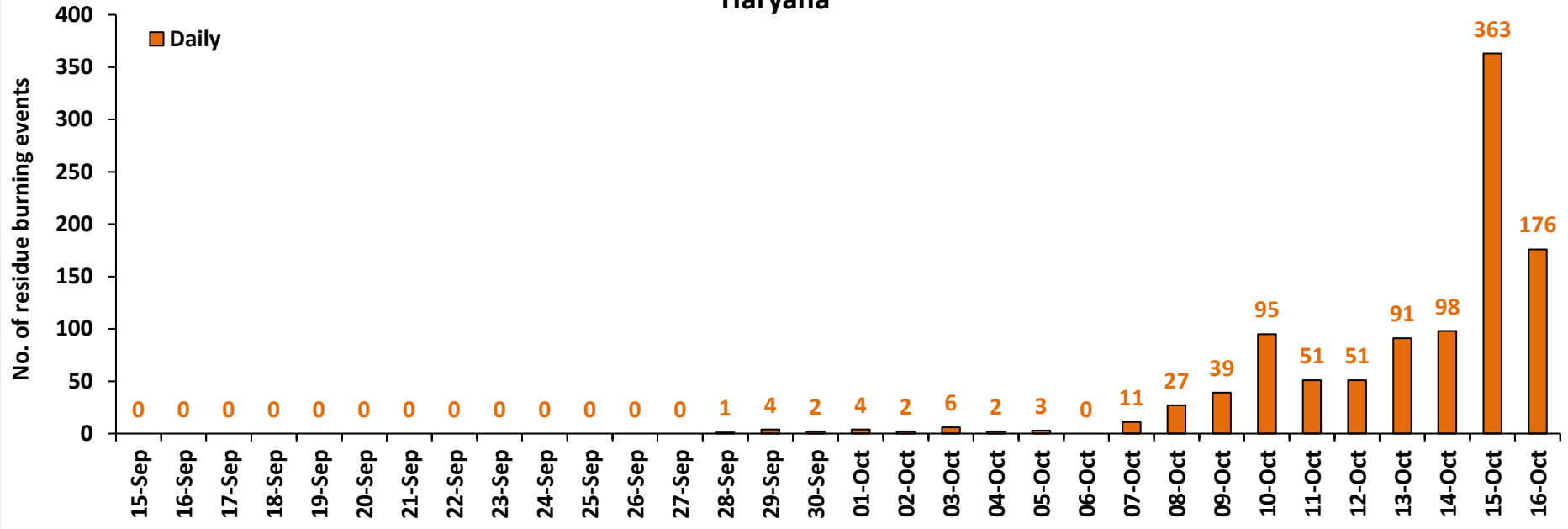
Highlights for 16-October-2021

- 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 **741** residue burning events in the six study States on 16-Oct-2021.
- The state wise events detected on 16-Oct-2021 were **429** in Punjab, **176** in Haryana, **121** in UP, **0** in Delhi, **2** in Rajasthan and **13** in MP.
- The number of events has decreased from **1207** on 15-Oct-2021 to **741** on 16-Oct-2021 in the six study states.
- Total **4092** burning events were detected in the six states between 15-Sept-2021 and 16-Oct-2021, which are distributed as **2375**, **1026**, **581**, **0**, **27** and **83** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **41.4%** less than in 2020 till date. Punjab recorded **55.3%** reduction, Haryana recorded **31.1%** increase, UP recorded **70.4%** increase, Delhi recorded **100%** reduction, Rajasthan recorded **87.4%** reduction and MP recorded **76.9%** reduction, in the current season than in 2020.

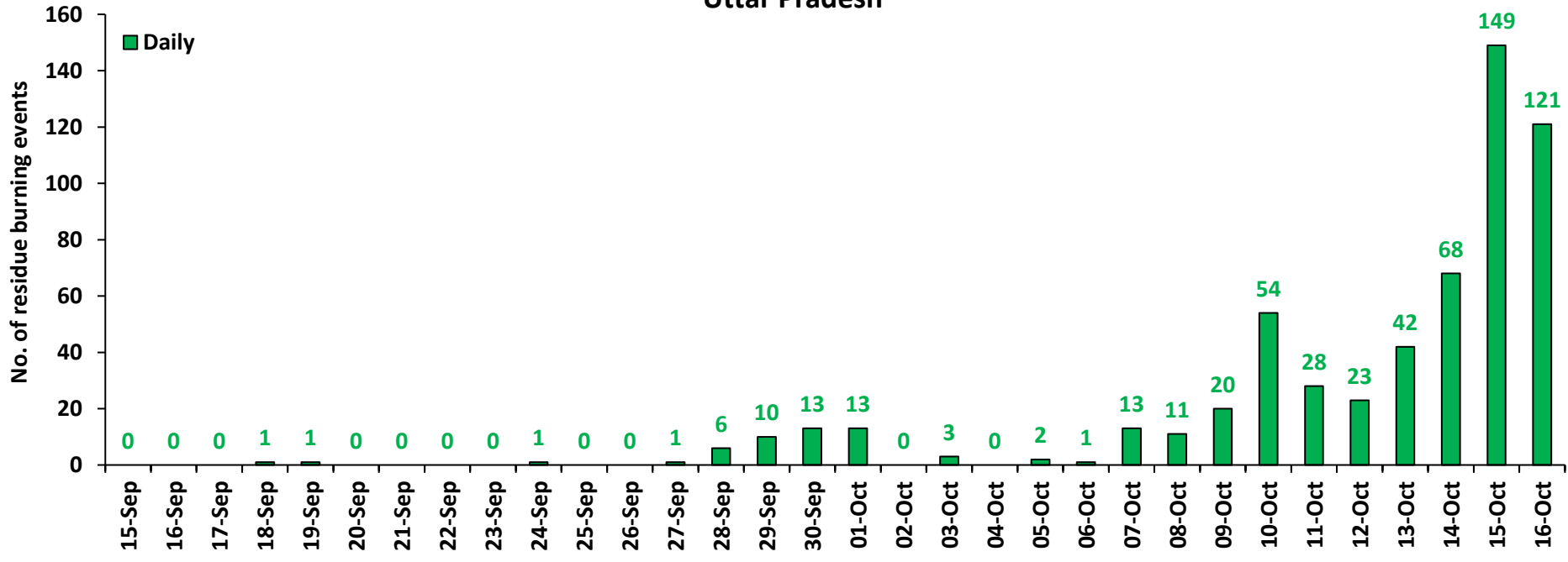
Temporal distribution of rice residue burning events for the study States in 2021

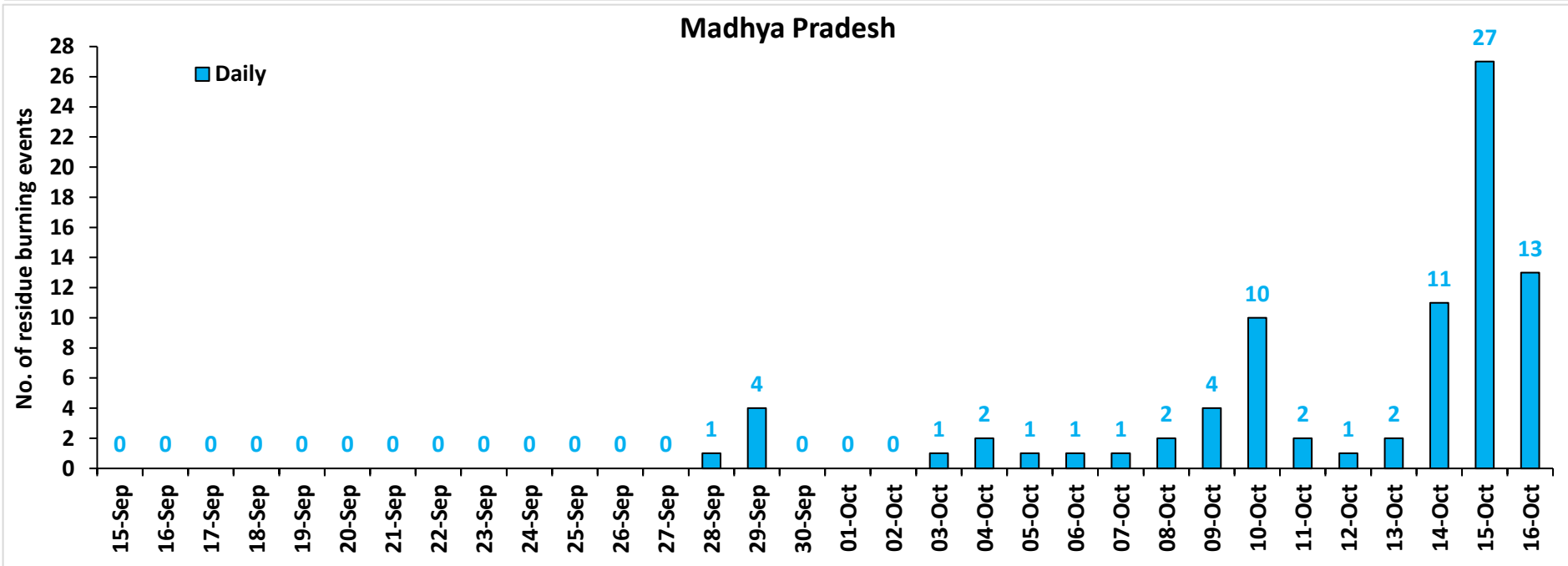
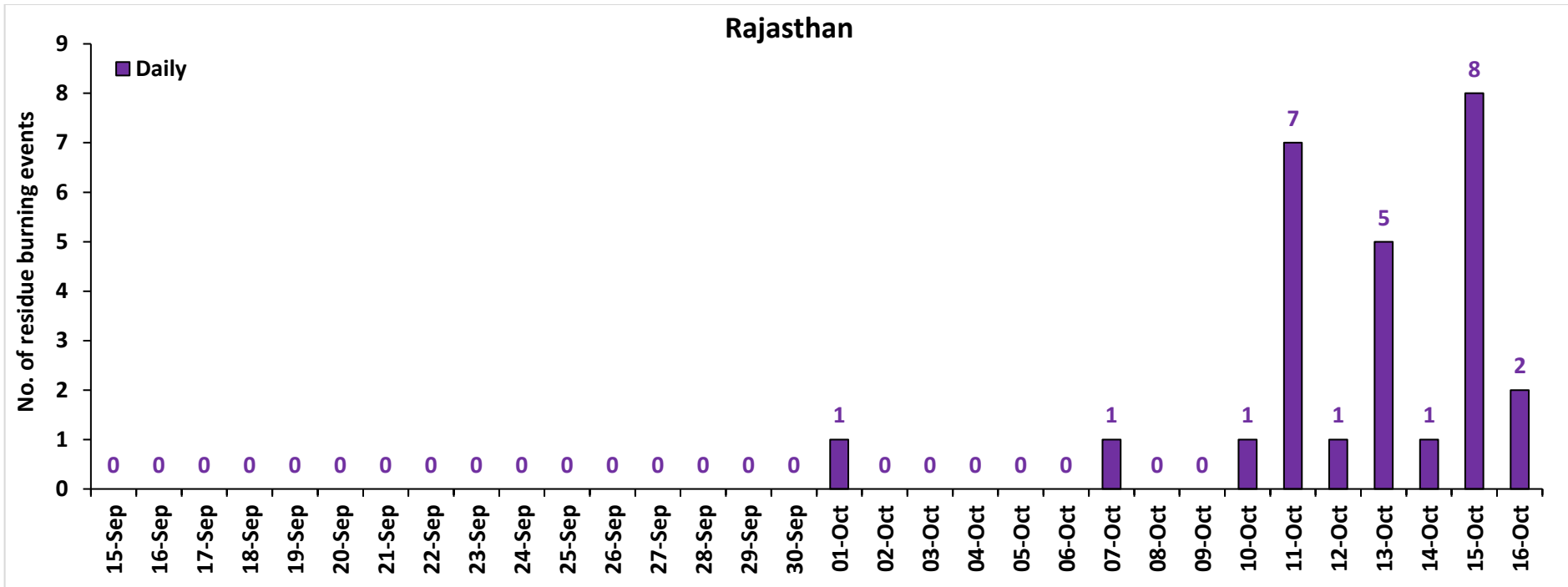


Haryana

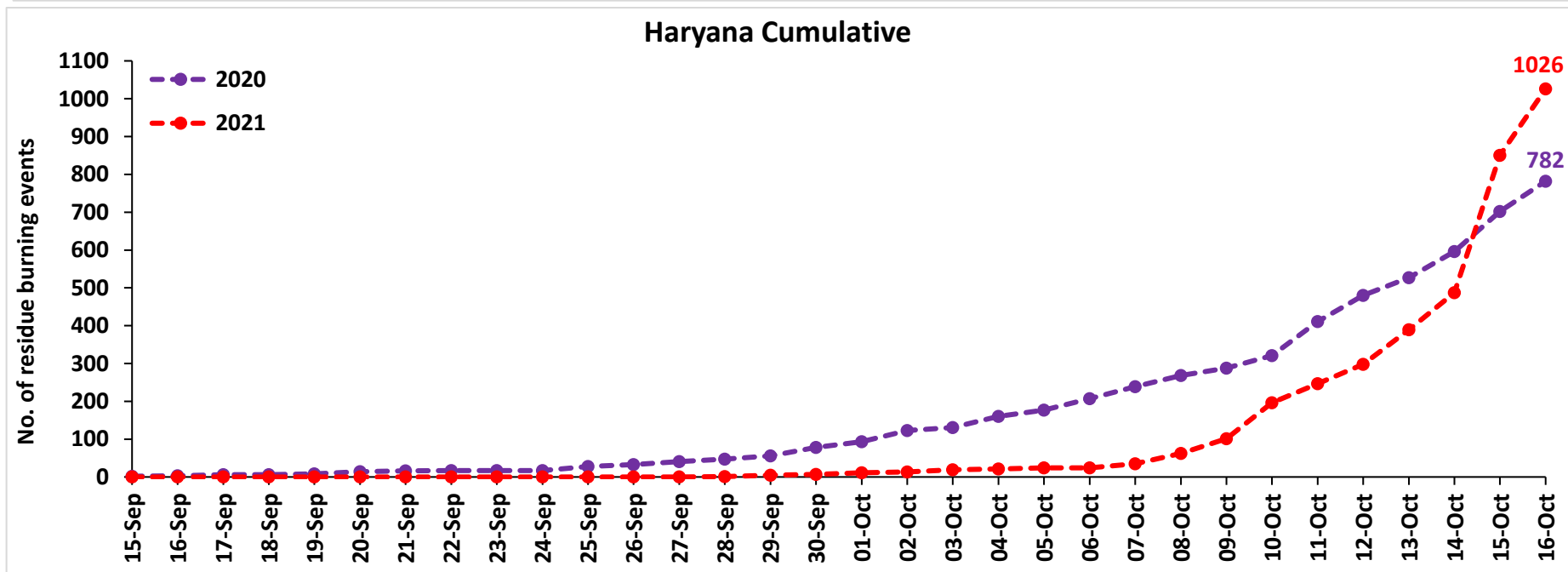
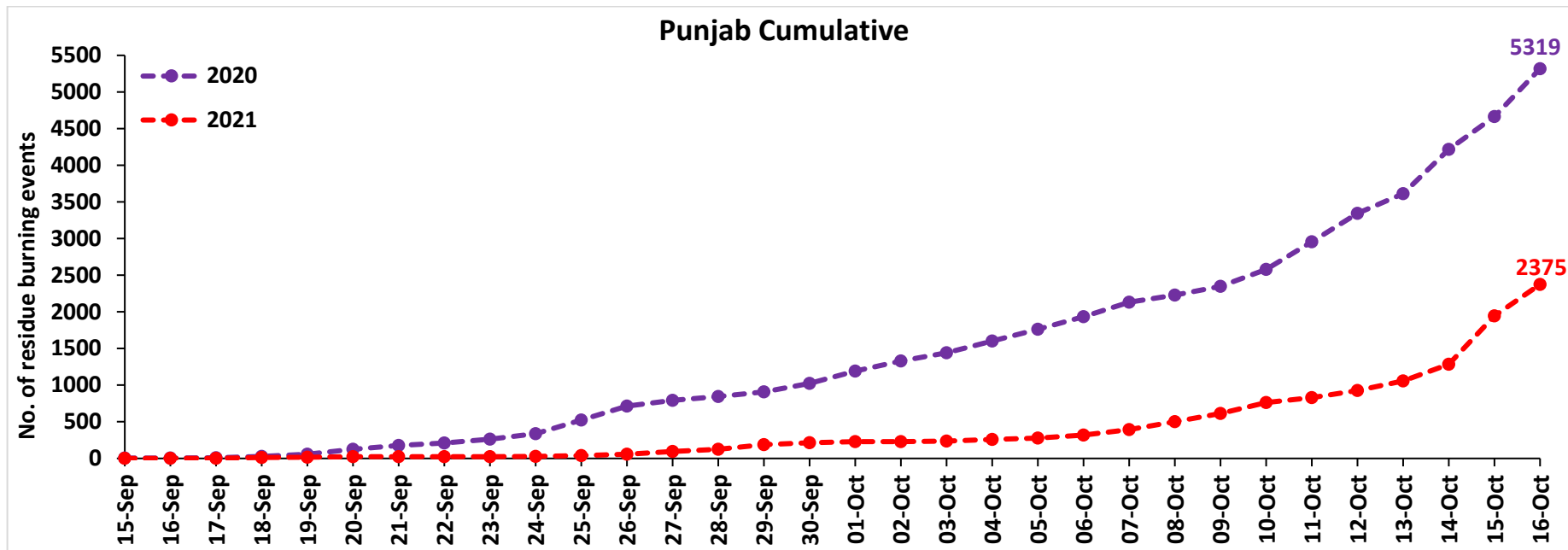


Uttar Pradesh

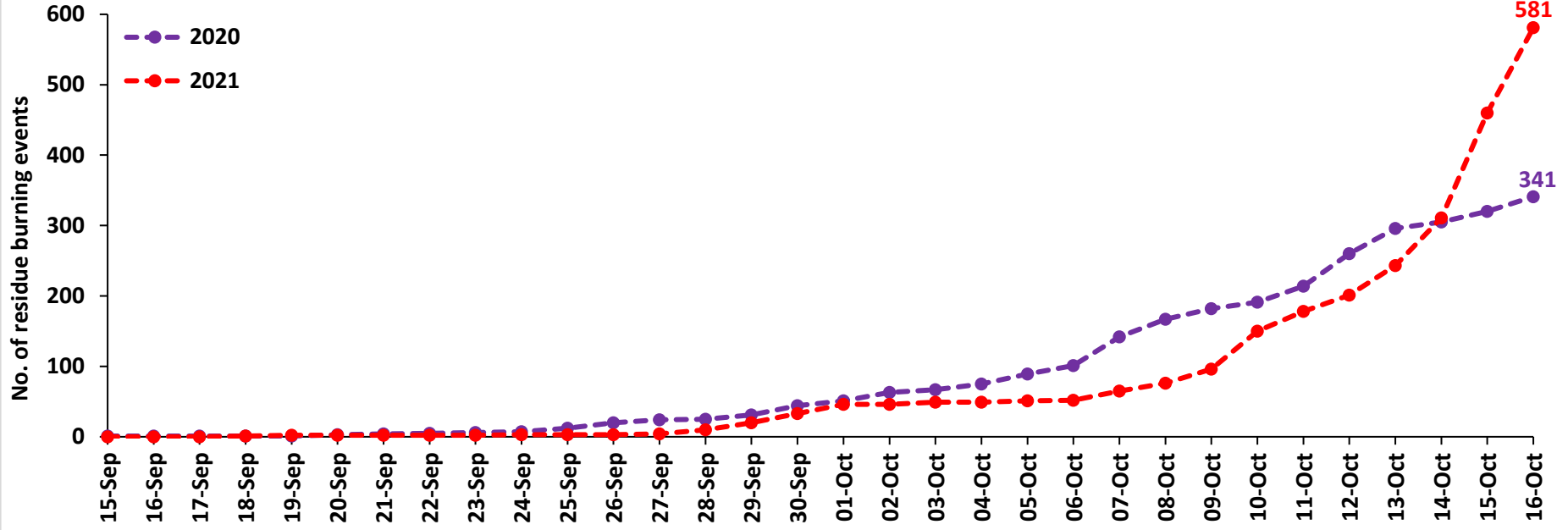




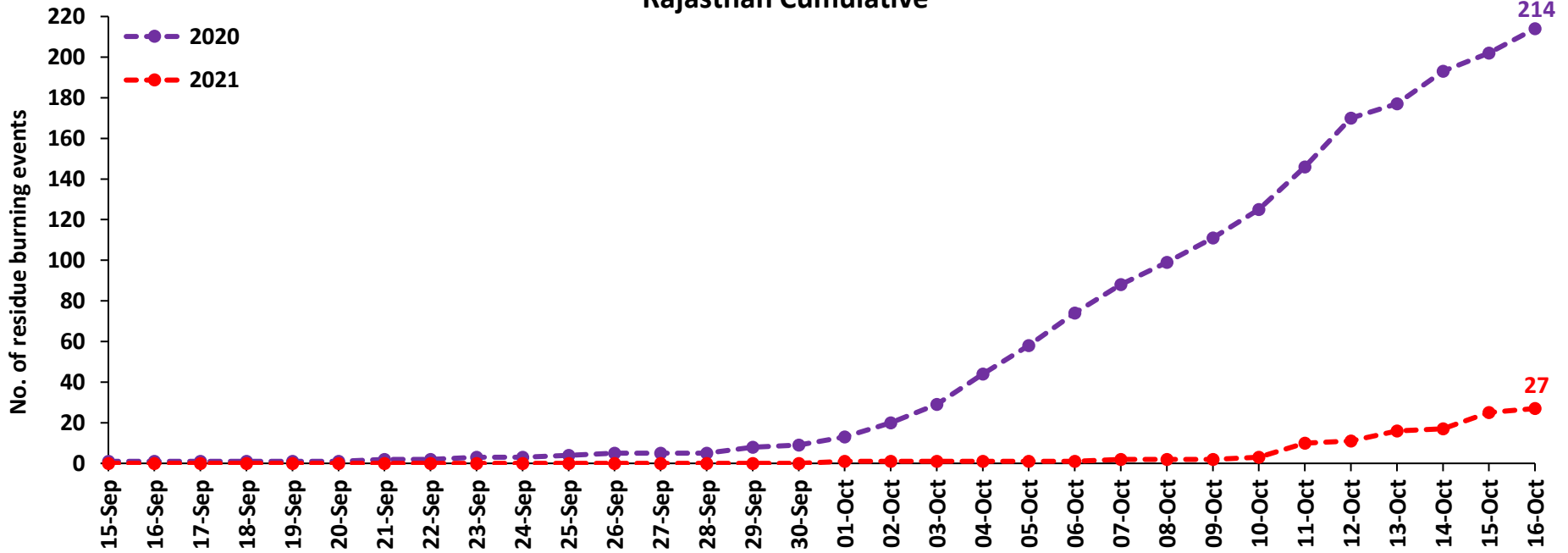
Comparison of residue burning events in current year (2021) with previous year (2020) for the study States



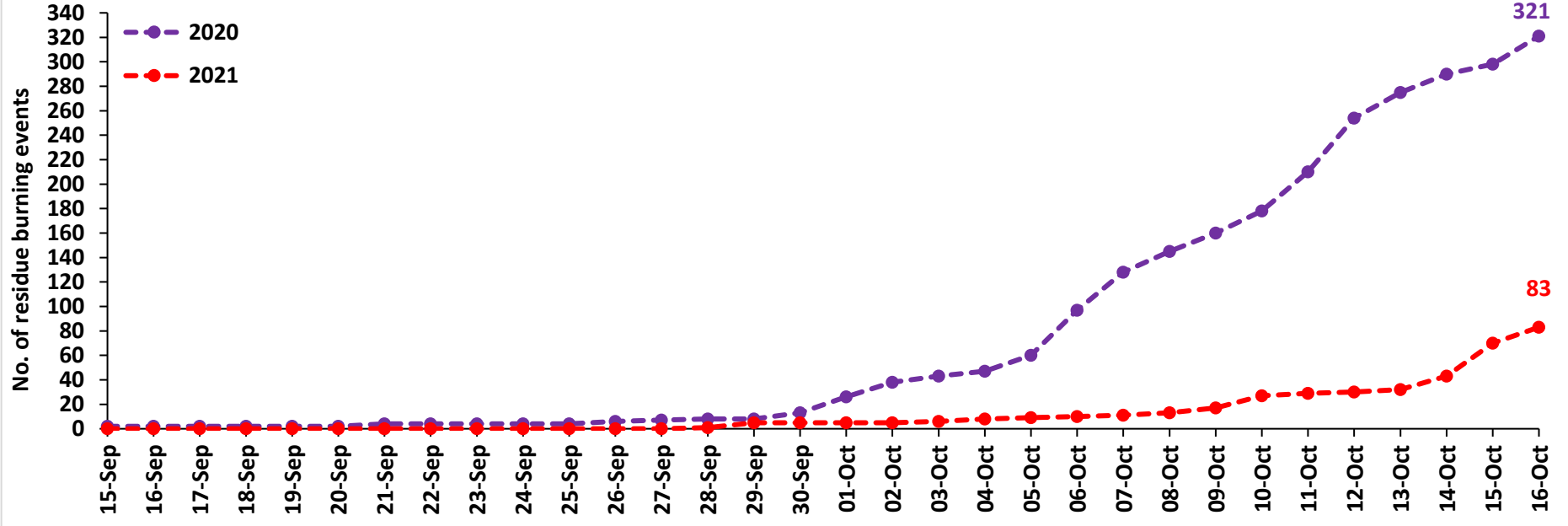
Uttar Pradesh Cumulative



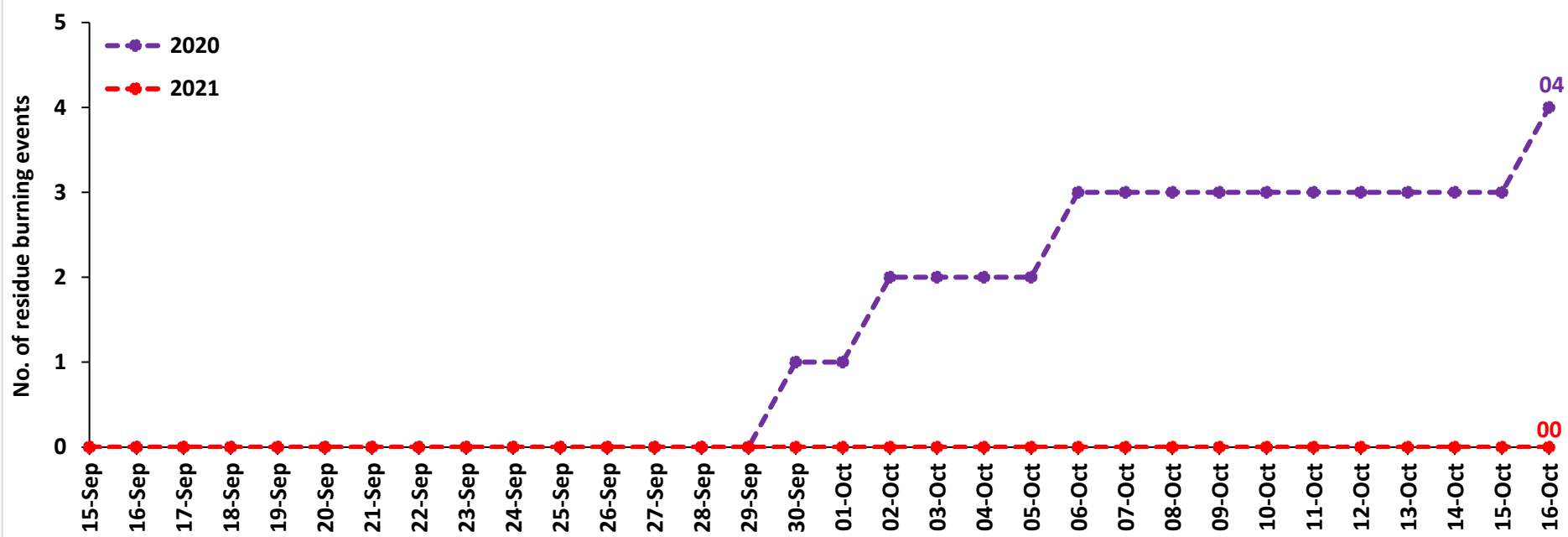
Rajasthan Cumulative



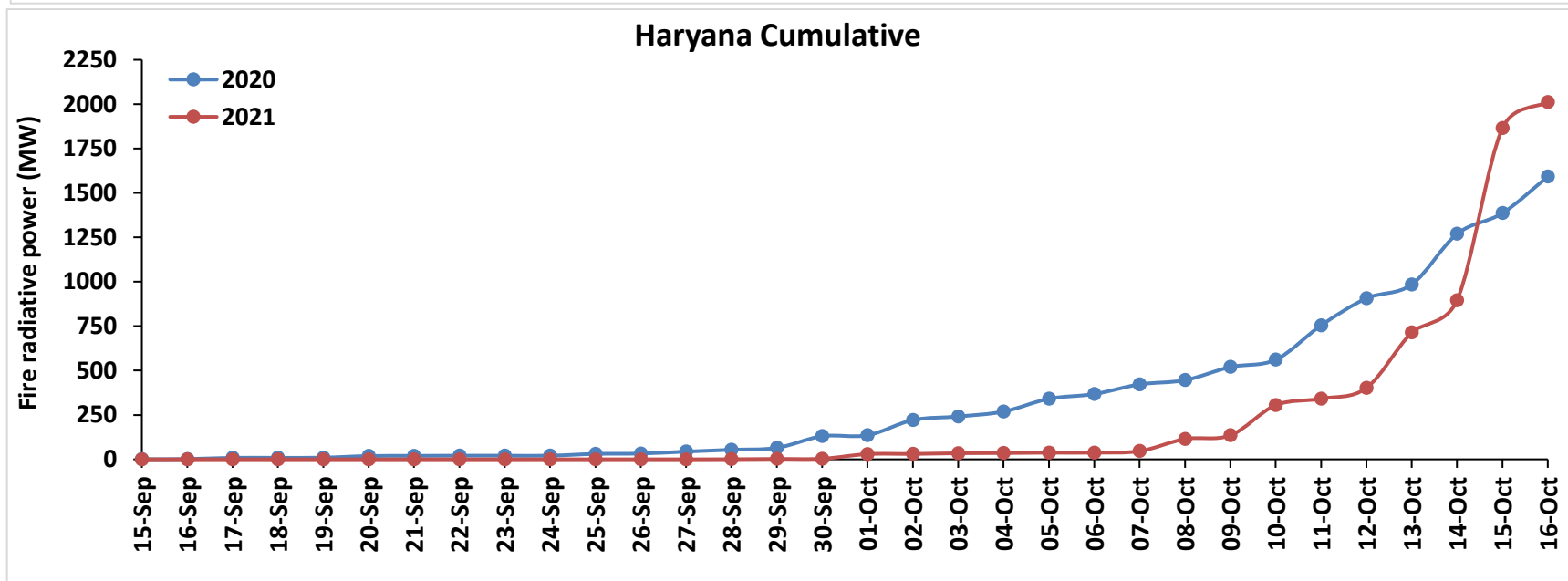
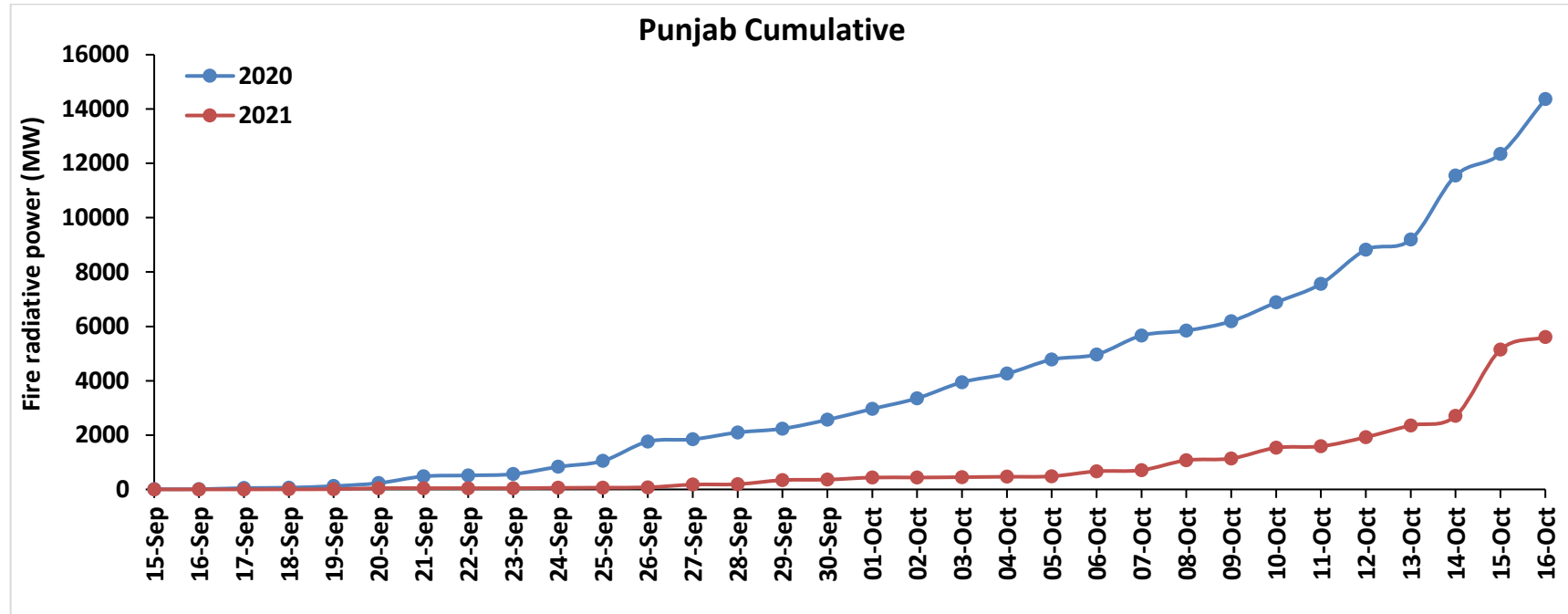
Madhya Pradesh Cumulative

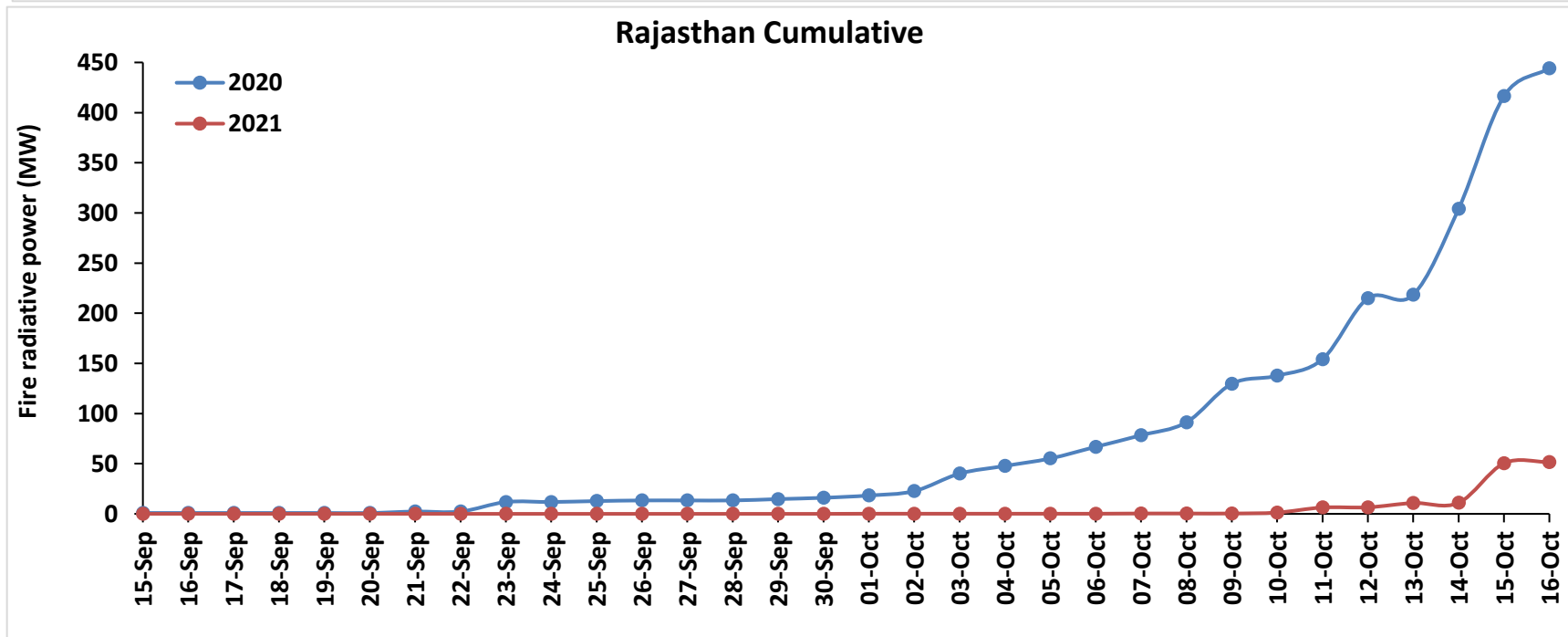
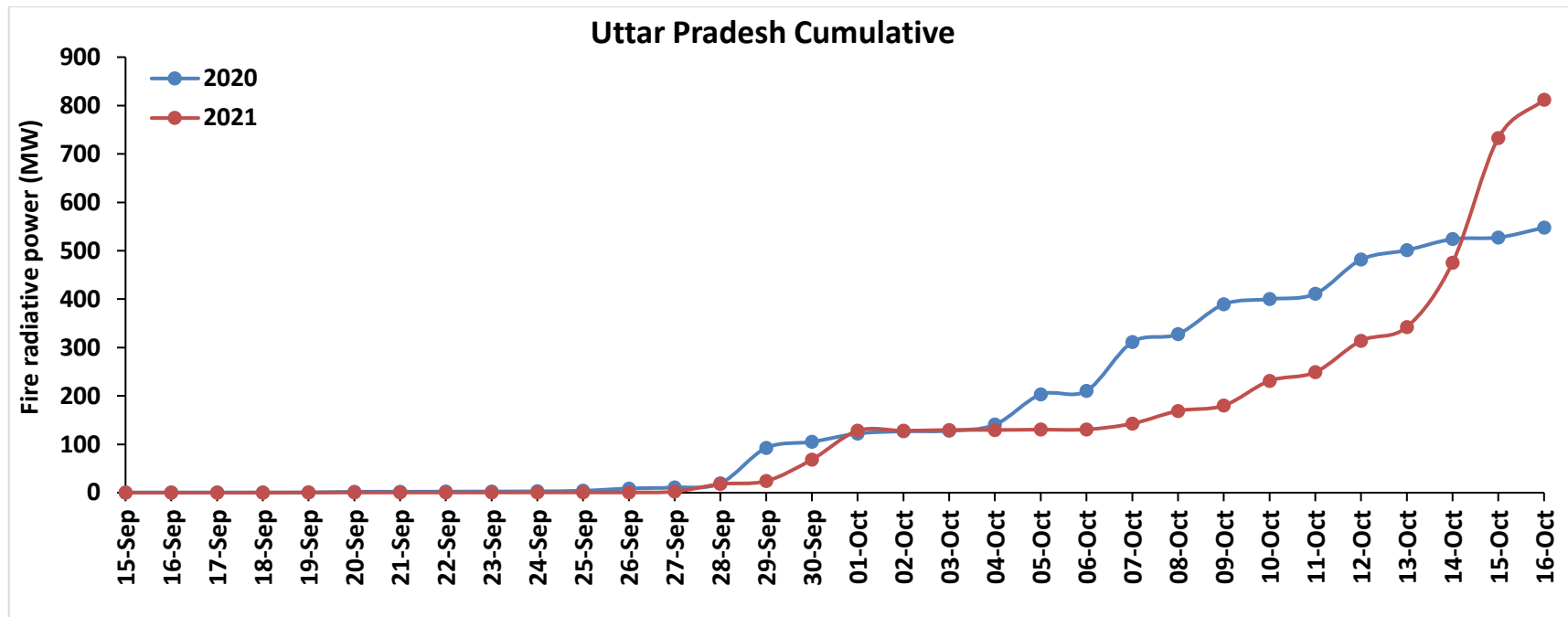


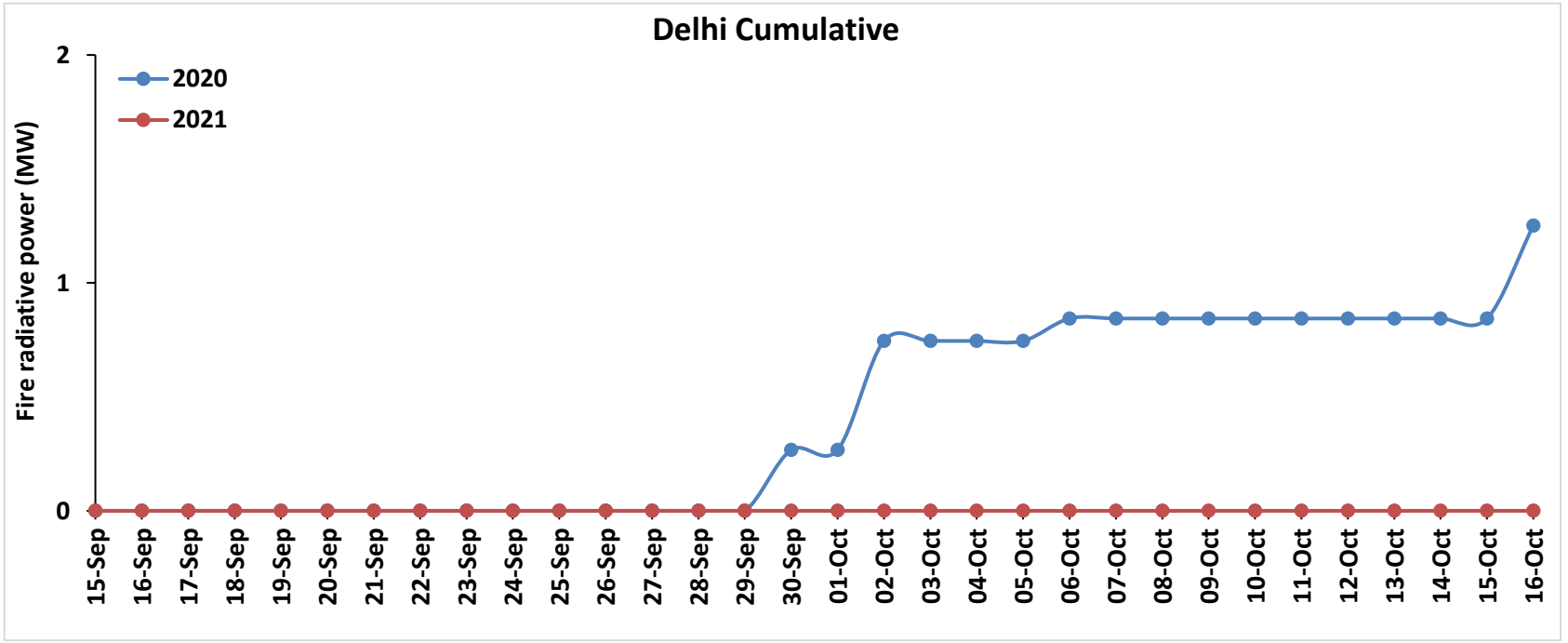
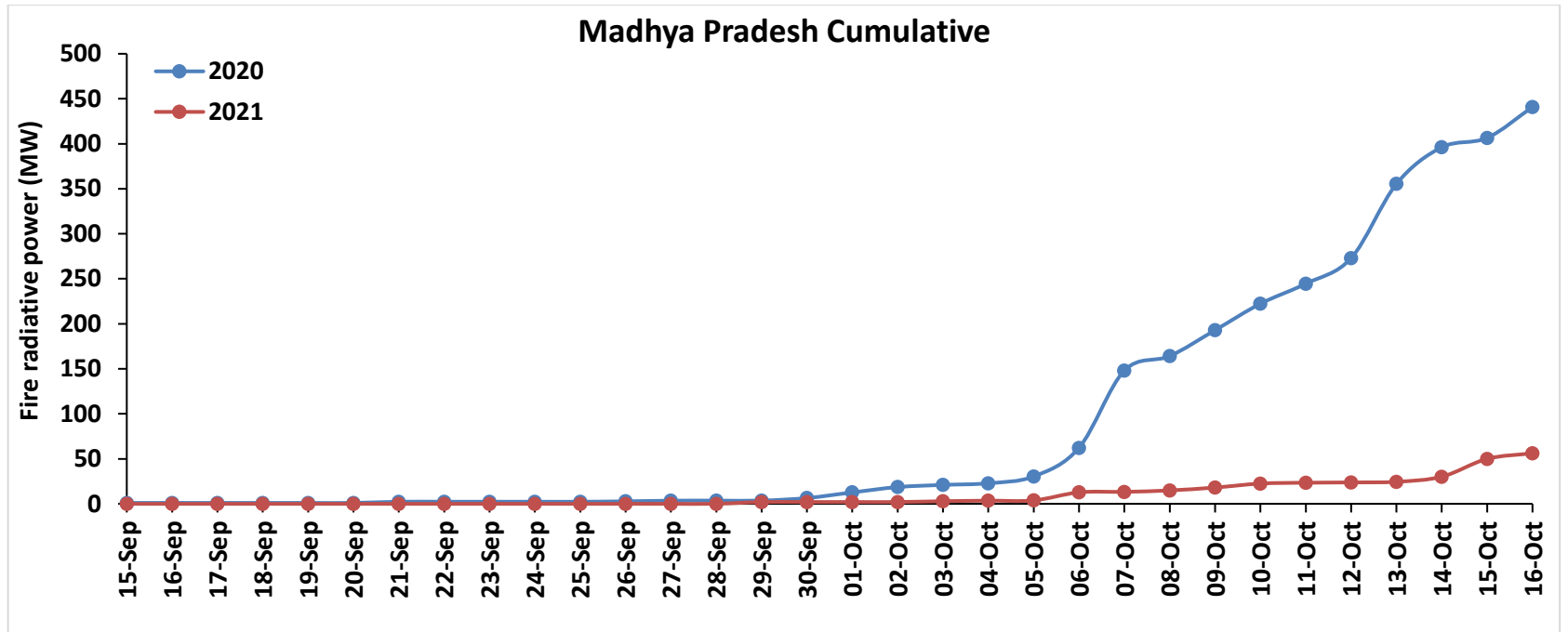
Delhi Cumulative



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

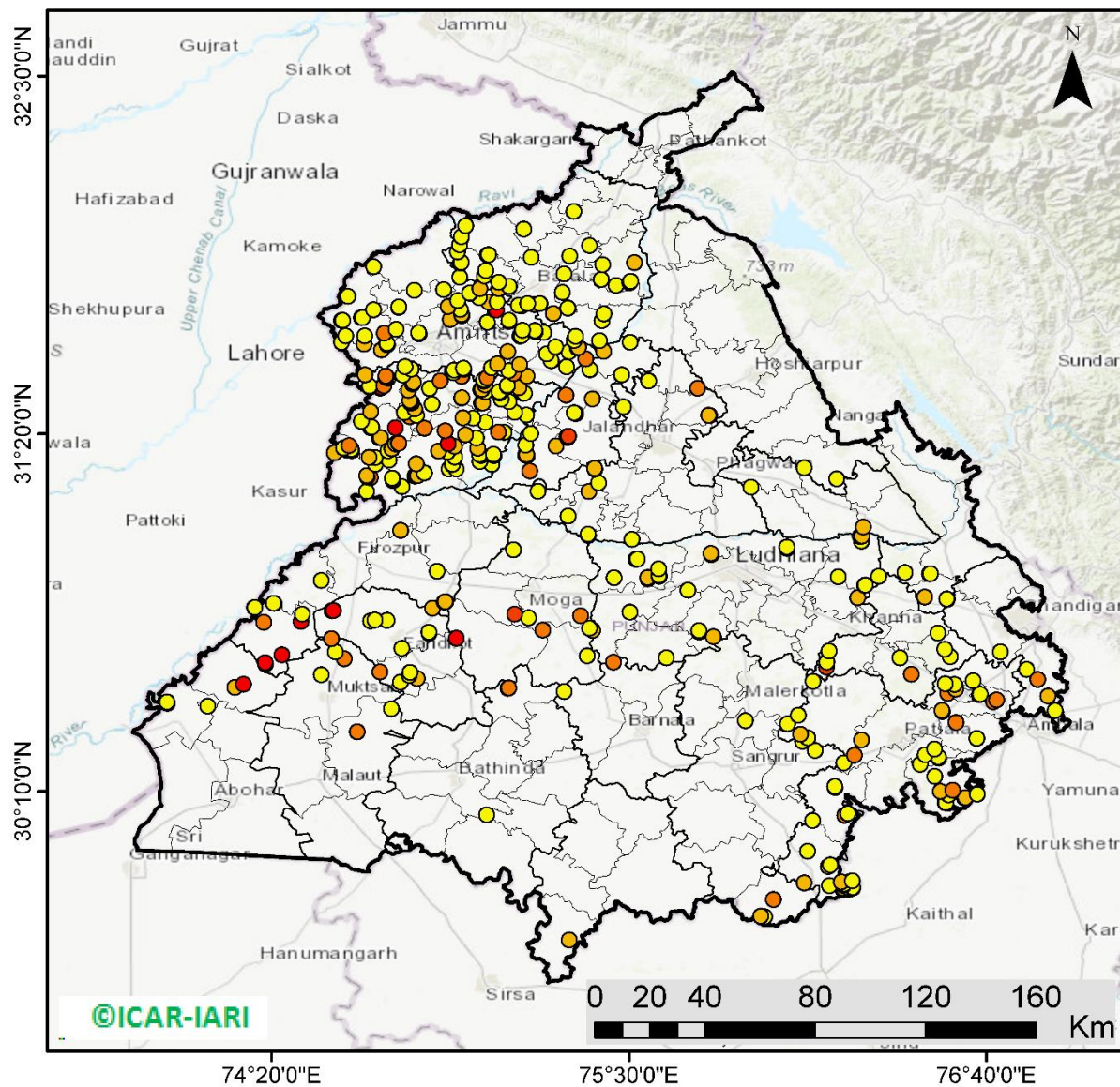






Punjab

RICE RESIDUE BURNING IN PUNJAB



429 burning events detected in Punjab on 16th October 2021

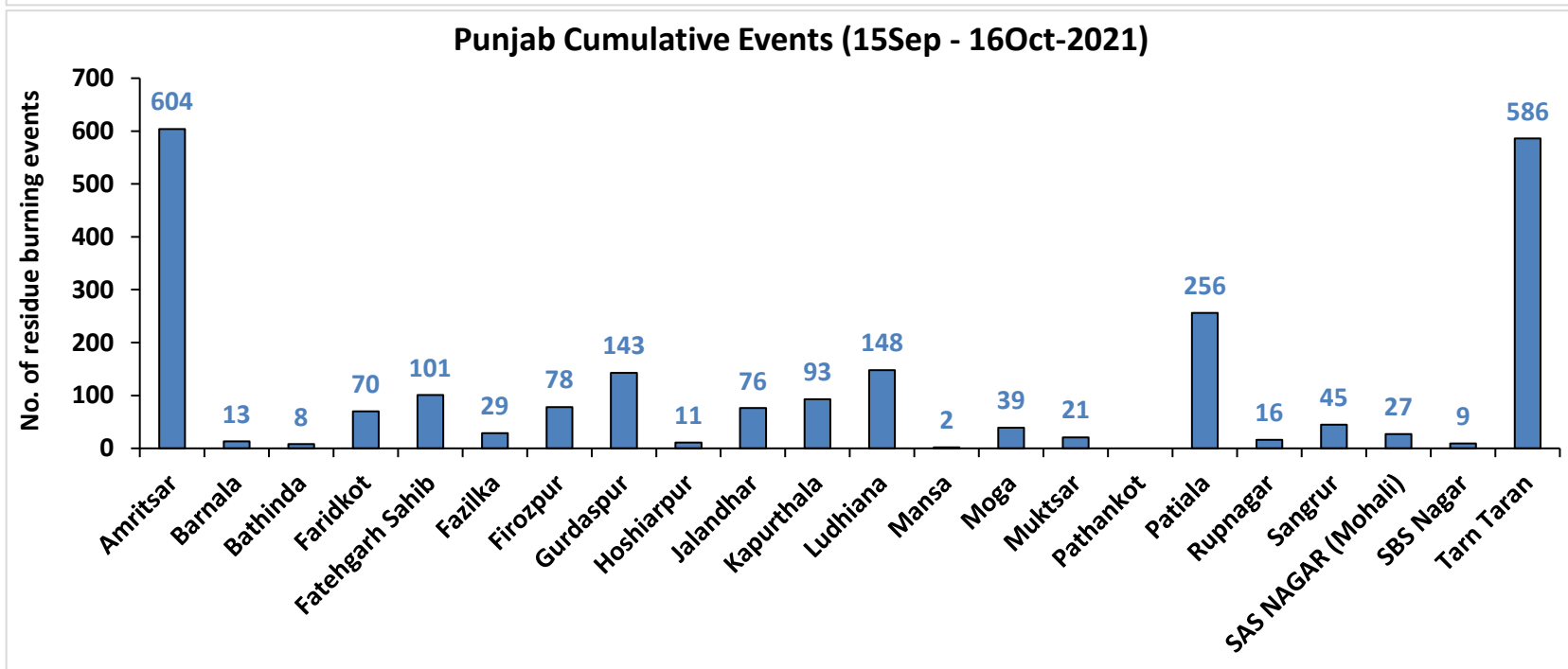
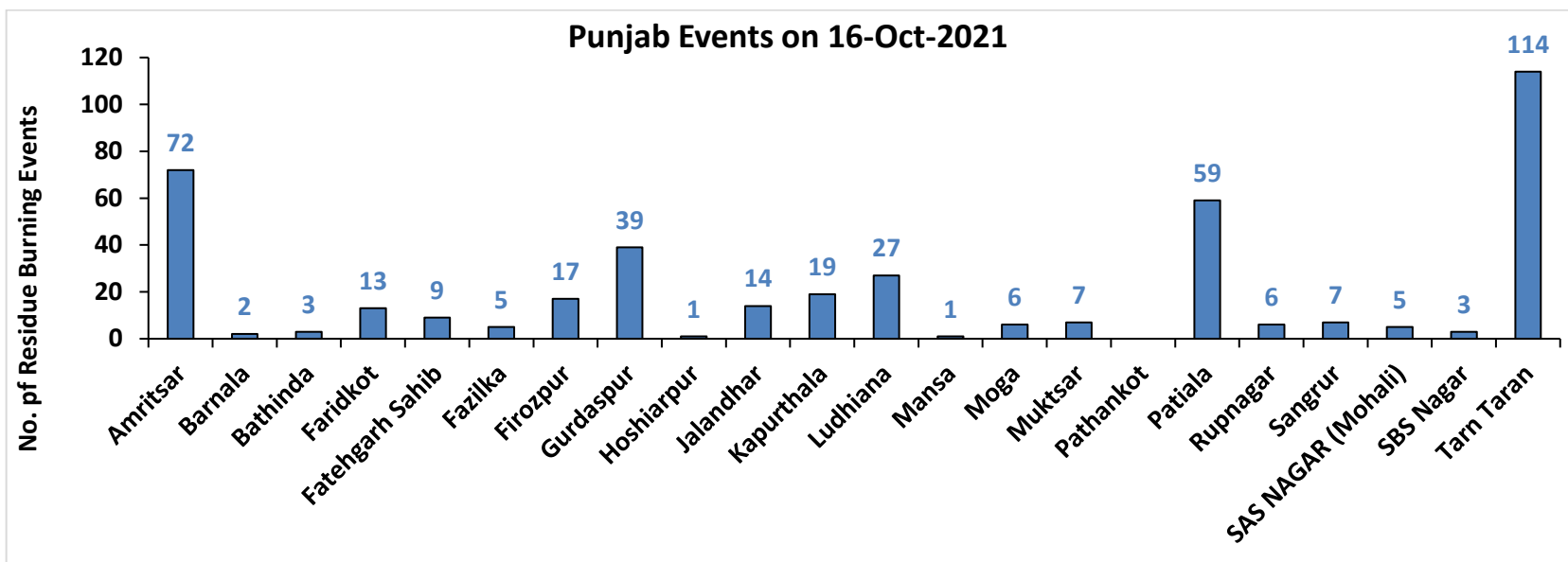
Fire Intensity (W/m²)

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



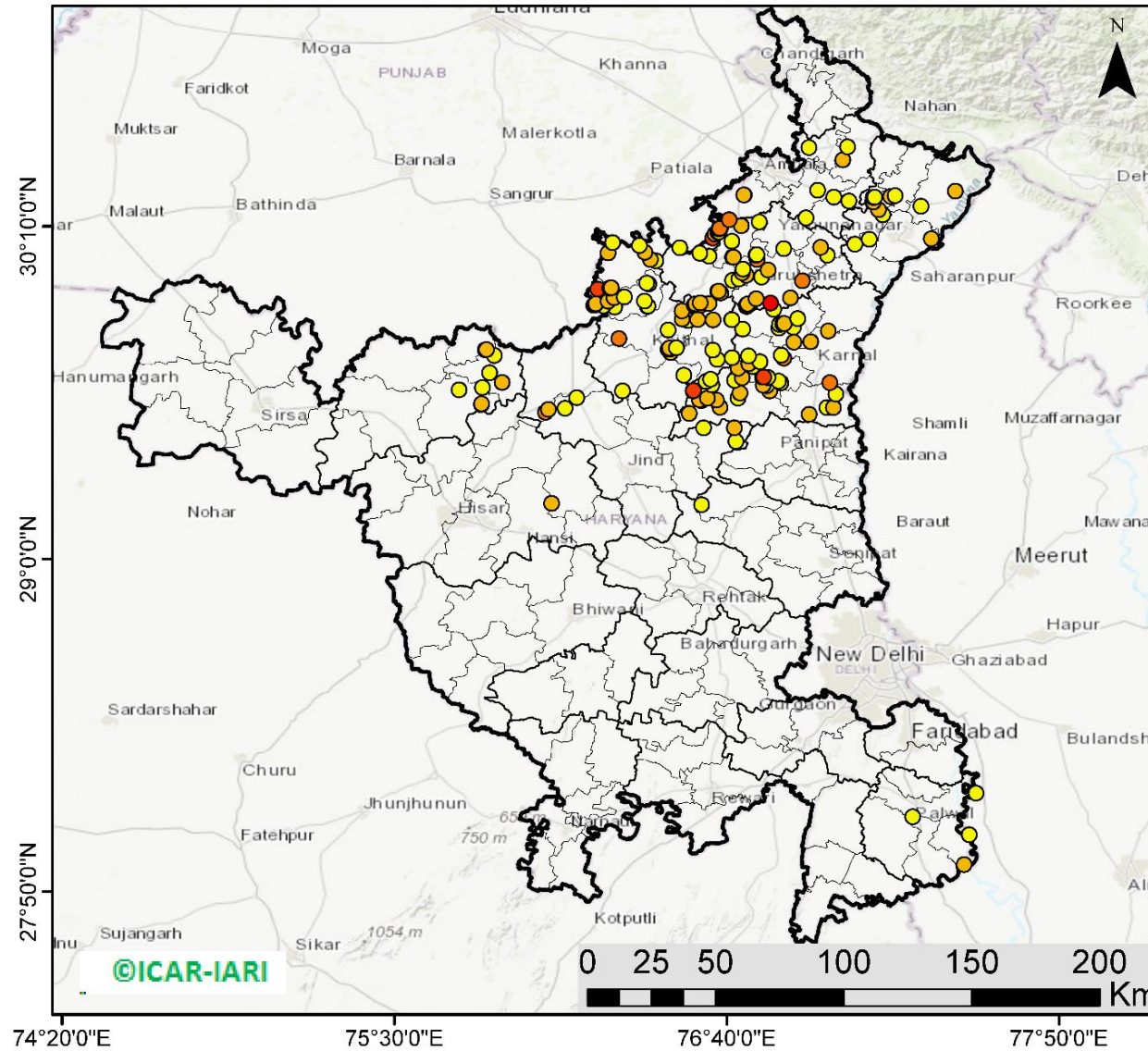
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep - 16Oct-2021)



Haryana

RICE RESIDUE BURNING IN HARYANA



176 burning events detected in Haryana on **16th October 2021**

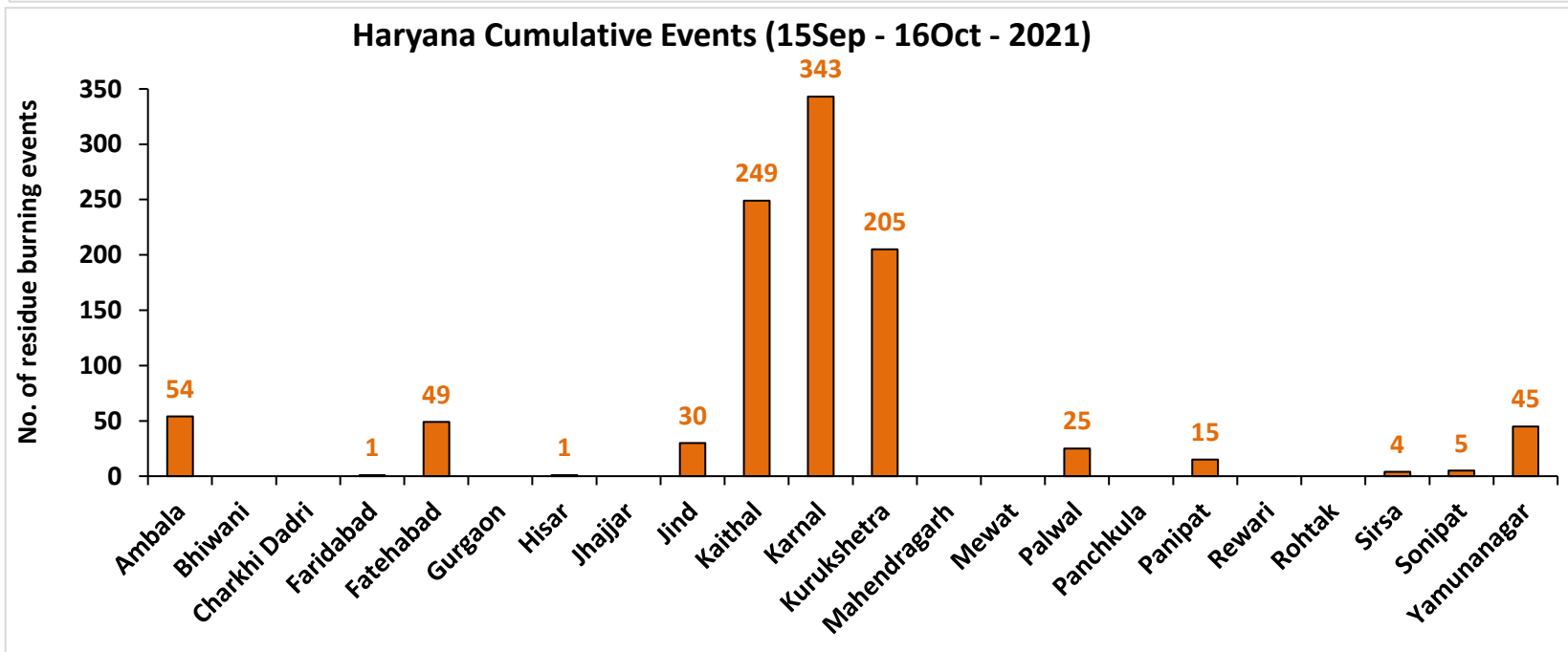
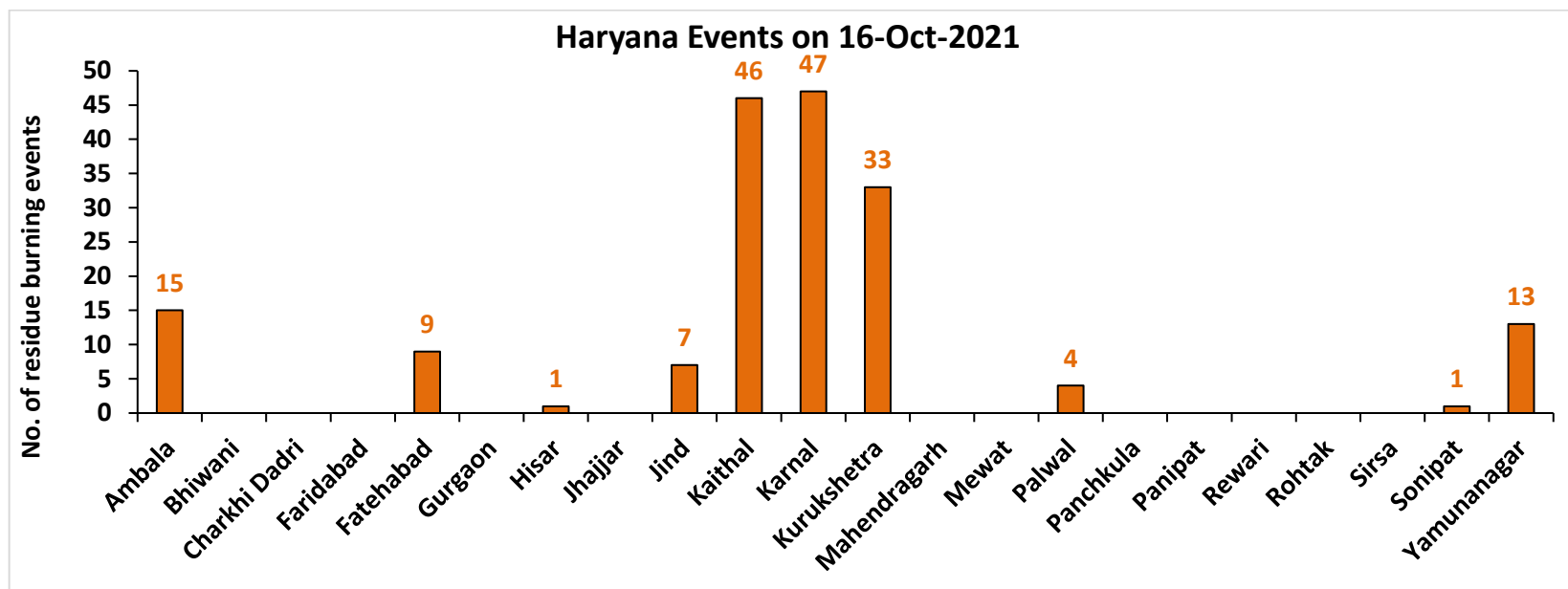
Fire Intensity (W/m²)

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



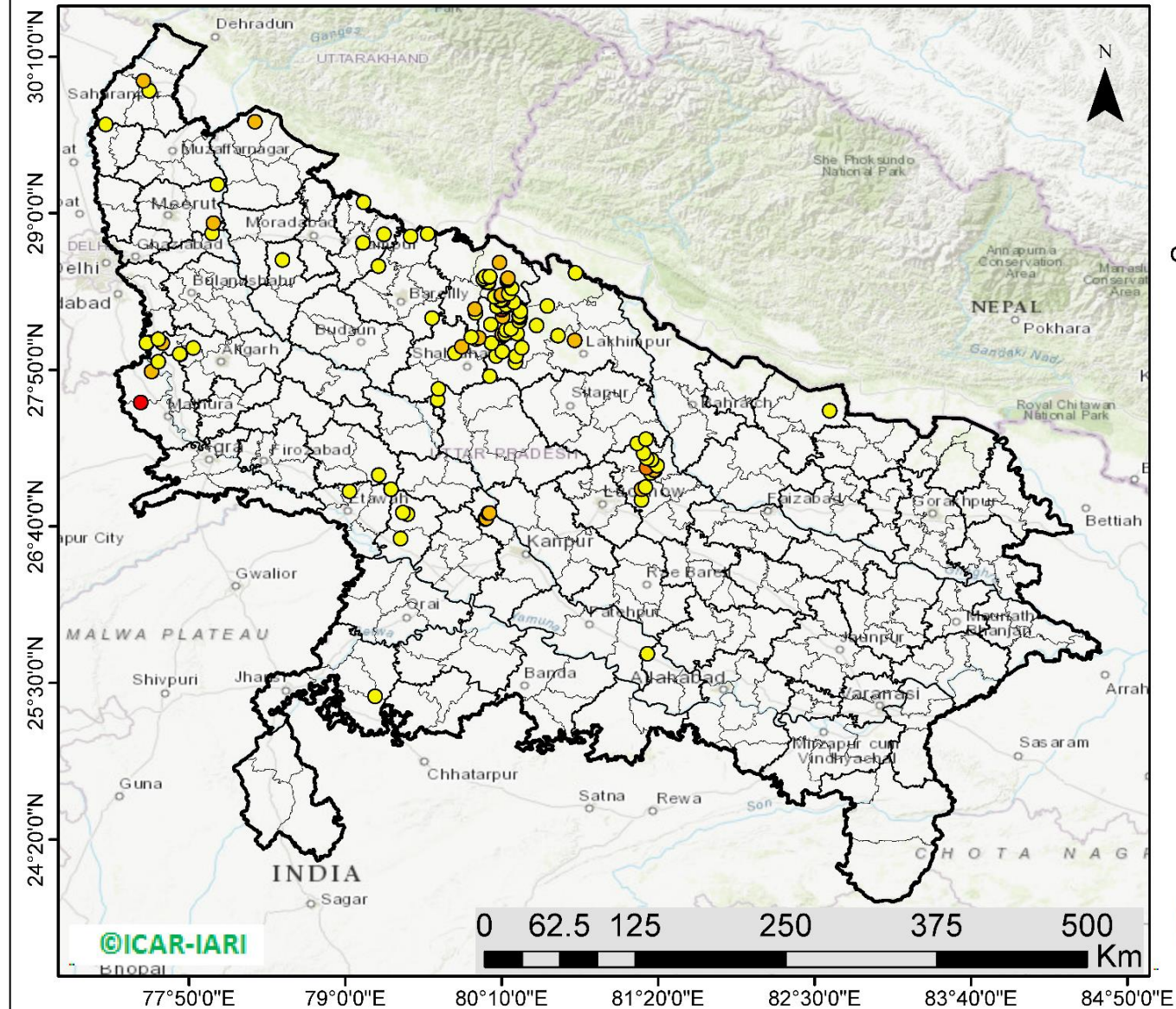
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Haryana (15Sep - 16Oct-2021)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



121 burning events detected in Uttar Pradesh on 16th October 2021

Fire Intensity (W/m²)

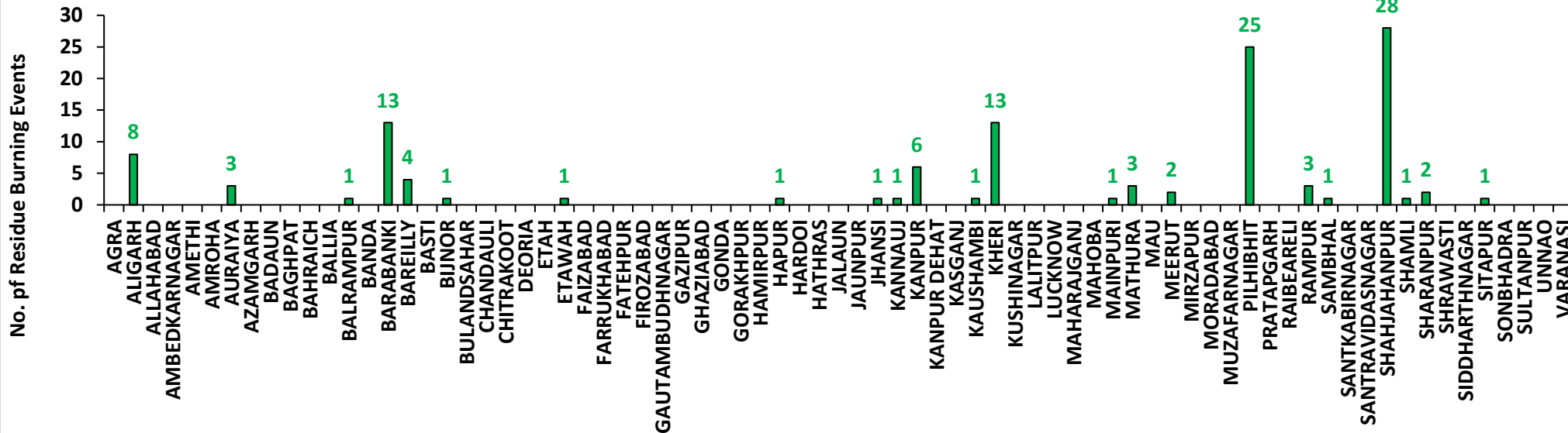
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



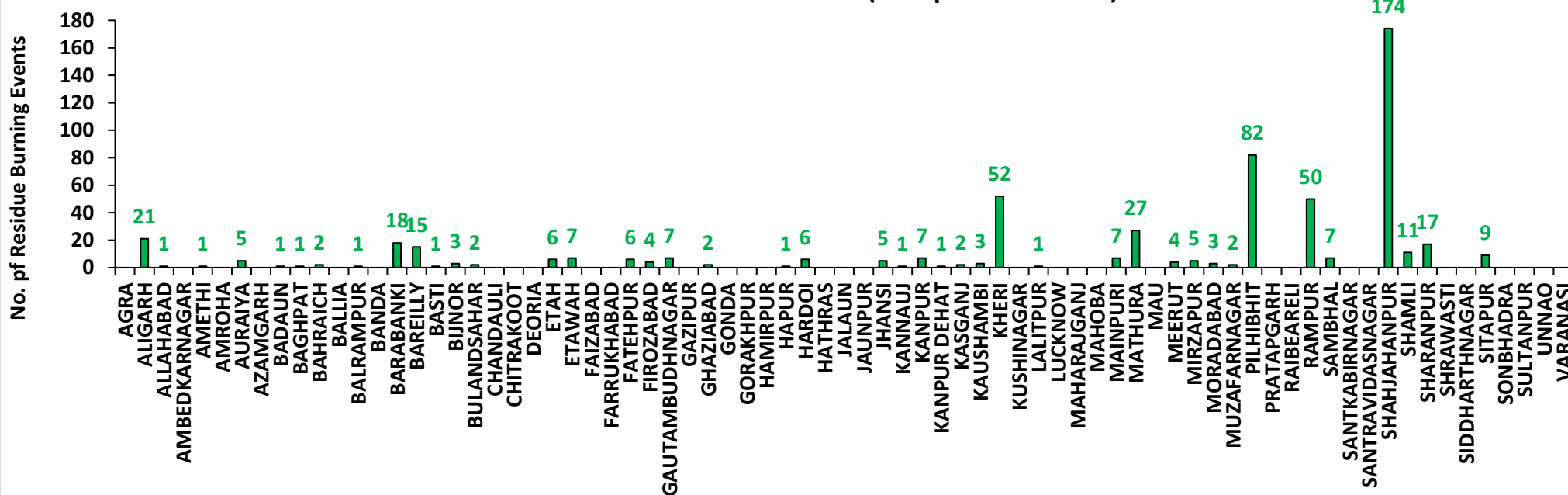
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 16 Oct-2021)

Uttar Pradesh Events on 16-Oct-2021

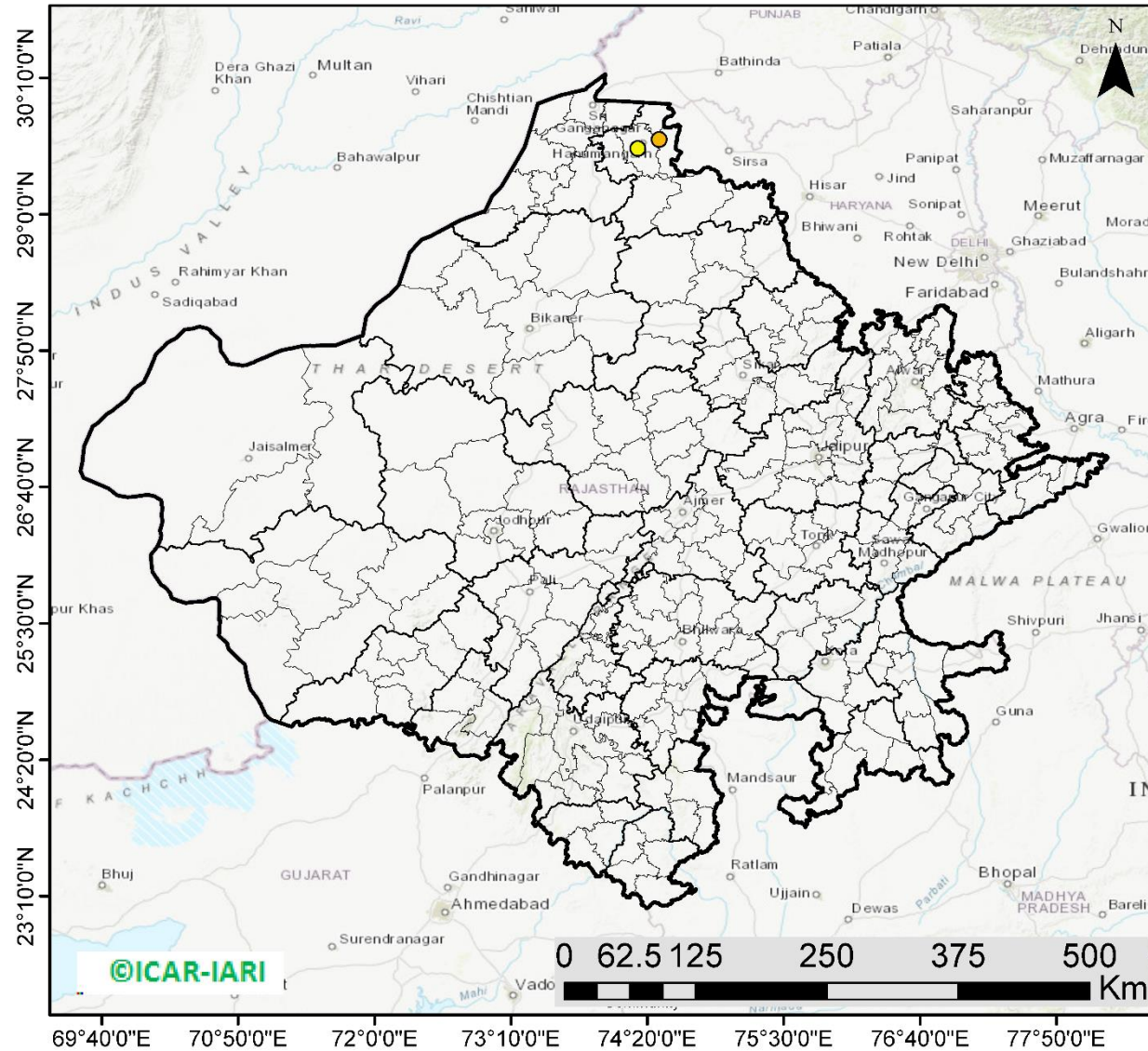


Uttar Pradesh Cumulative Events (15Sep - 16Oct-2021)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



02 burning events
detected in Rajasthan on
16th October 2021

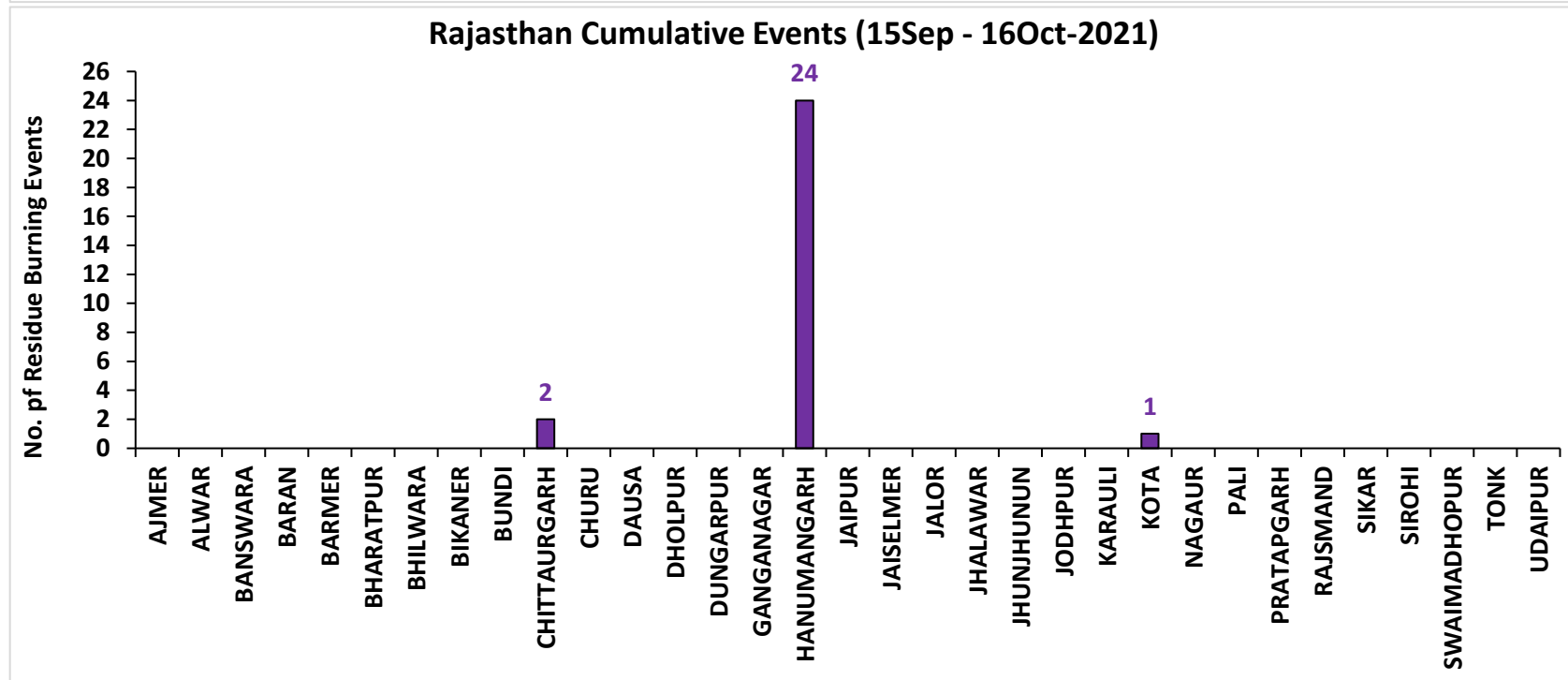
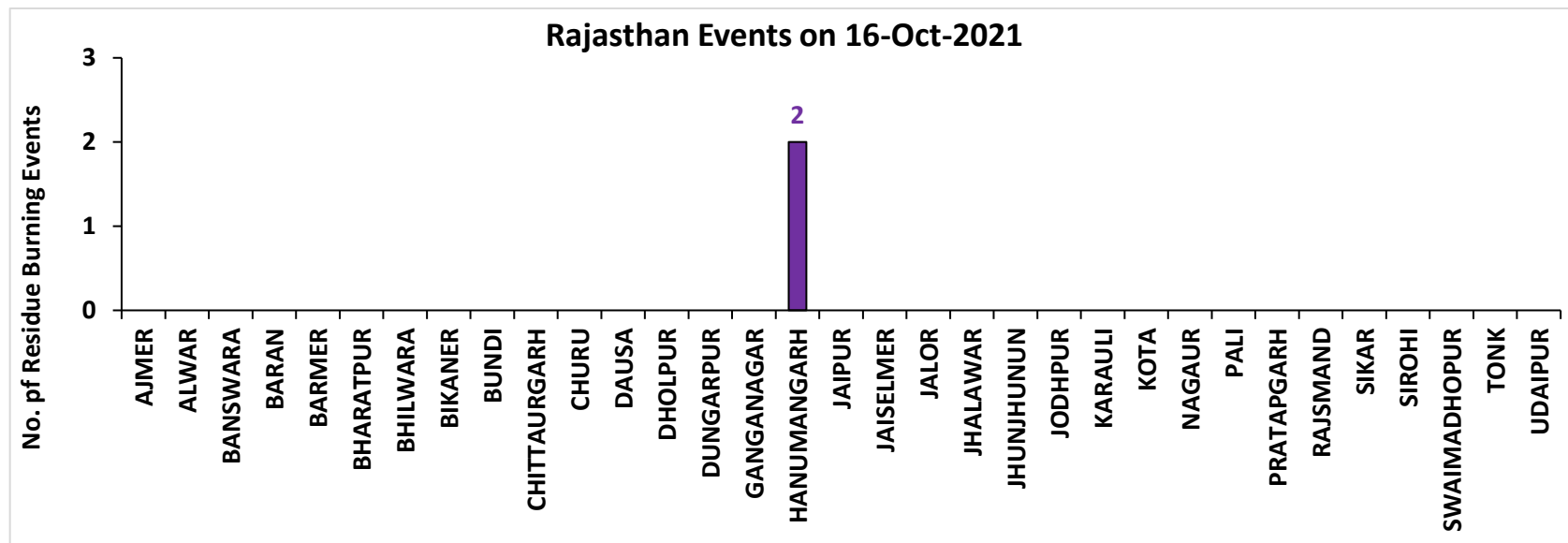
Fire Intensity (W/m²)

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



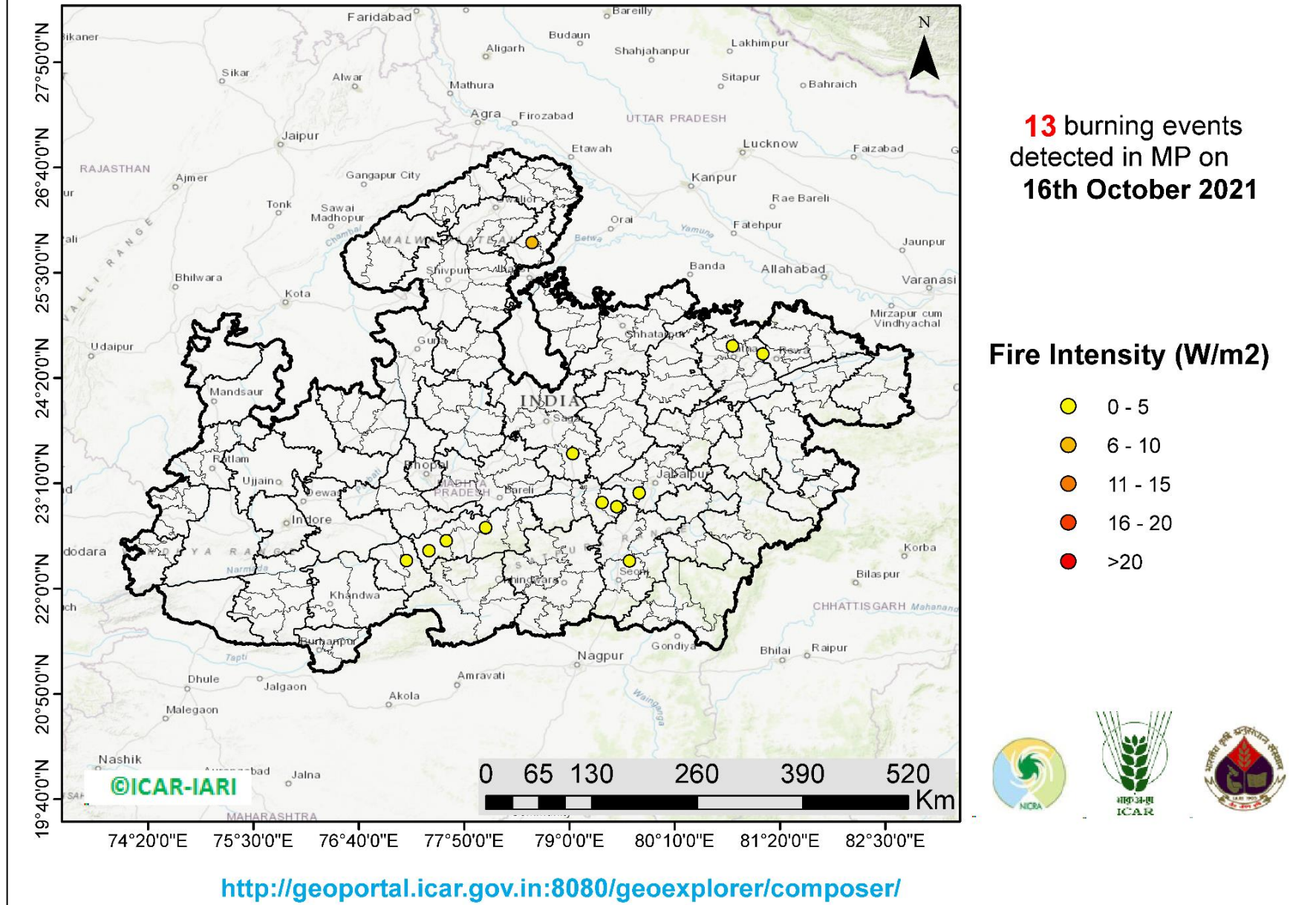
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 16 Oct-2021)

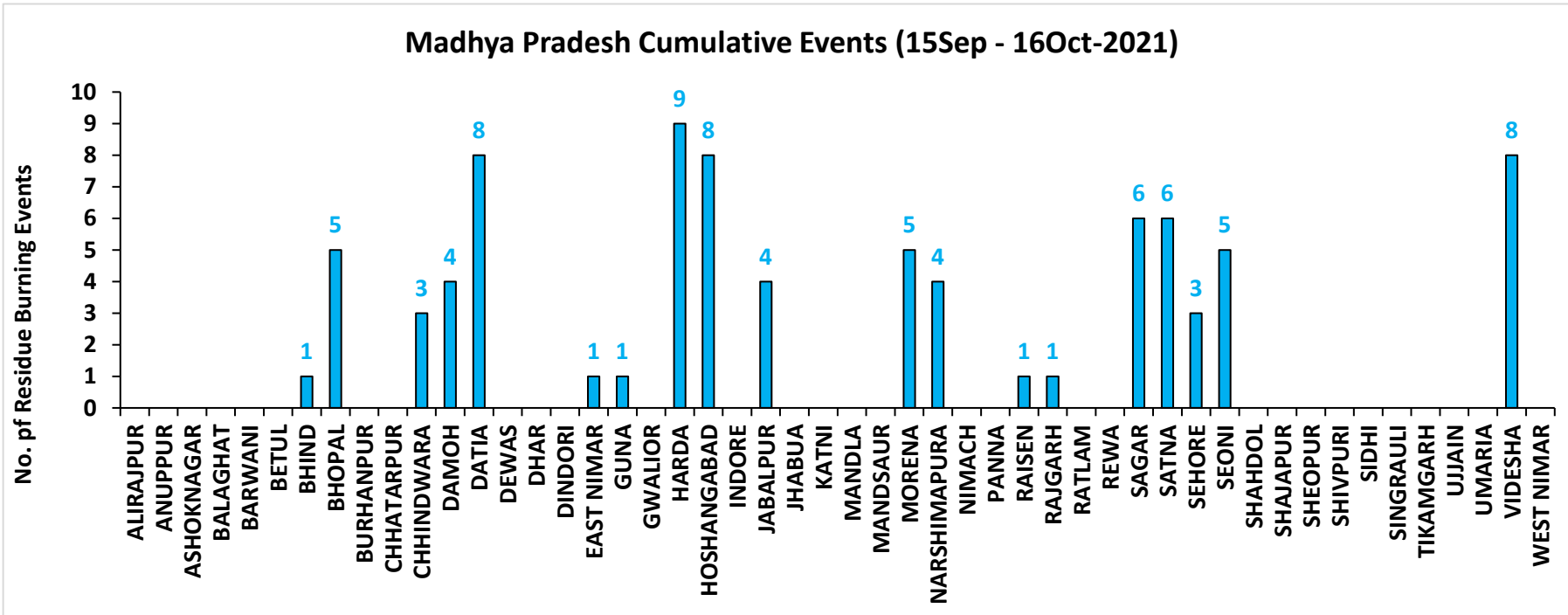
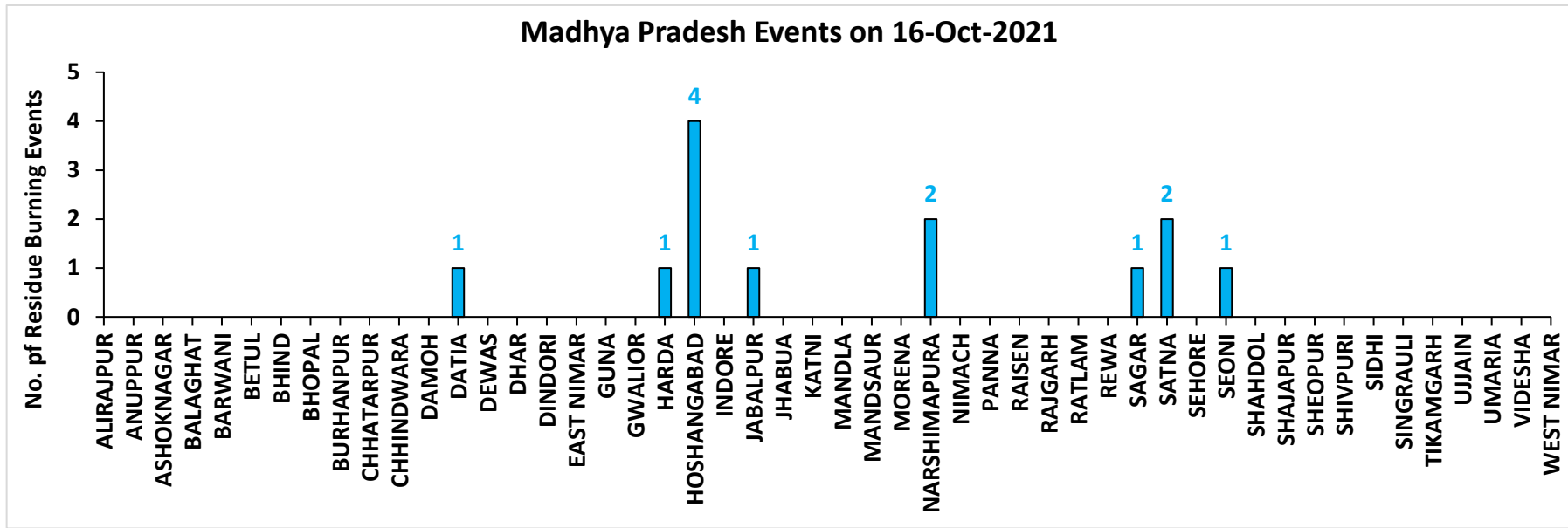


Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



District-wise cumulative number of residues burning events in Madhya Pradesh (15 Sep - 16 Oct-2021)



District-wise cumulative number of residues burning events detected in 2020 and 2021
(Period: 15 September - 16 October)

(a) Punjab

District	15 Sep – 16 Oct	
	2020	2021
AMRITSAR	1781	604
BARNALA	18	13
BATHINDA	43	8
FARIDKOT	147	70
FATEHGARH SAHIB	102	101
FAZILKA	32	29
FIROZPUR	365	78
GURDASPUR	331	143
HOSHIARPUR	31	11
JALANDHAR	88	76
KAPURTHALA	182	93
LUDHIANA	135	148
MANSA	36	2
MOGA	44	39
MUKTSAR	26	21
PATHANKOT	0	0
PATIALA	470	256
RUPNAGAR	18	16
SANGRUR	118	45
SAS NAGAR (MOHALI)	38	27
SBS NAGAR	11	9
TARN TARAN	1303	586
Total	5319	2375

(b) Haryana

District	15 Sep – 16 Oct	
	2020	2021
AMBALA	93	54
BHIWANI	0	0
CHARKHI DADRI	0	0
FARIDABAD	0	1
FATEHABAD	44	49
GURGAON	0	0
HISAR	6	1
JHAJJAR	1	0
JIND	22	30
KAITHAL	136	249
KARNAL	233	343
KURUKSHETRA	175	205
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	6	25
PANCHKULA	0	0
PANIPAT	9	15
REWARI	0	0
ROHTAK	0	0
SIRSA	7	4
SONIPAT	9	5
YAMUNANAGAR	41	45
Total	782	1026

(c) Uttar Pradesh

District	15 Sep – 16 Oct							
	2020	2021						
			GAUTAMBUDHNAGAR	1	7	MUZAFARNAGAR	2	2
AGRA	1	0	GAZIPUR	0	0	PILHIBHIT	8	82
ALIGARH	25	21	GHAZIABAD	3	2	PRATAPGARH	0	0
ALLAHABAD	0	1	GONDA	0	0	RAIBEARELI	1	0
AMBEDKARNAGAR	0	0	GORAKHPUR	0	0	RAMPUR	19	50
AMETHI	0	1	HAMIRPUR	1	0	SAMBHAL	6	7
AMROHA	1	0	HAPUR	3	1	SANTKABIRNAGAR	0	0
AURAIYA	16	5	HARDOI	6	6	SANTRAVIDASNAGAR	0	0
AZAMGARH	0	0	HATHRAS	0	0	SHAHJAHANPUR	37	174
BADAUN	0	1	JALAUN	0	0	SHAMLI	18	11
BAGHPAT	2	1	JAUNPUR	0	0	SHARANPUR	19	17
BAHRAICH	2	2	JHANSI	8	5	SHRAWASTI	2	0
BALLIA	0	0	KANNAUJ	3	1	SIDDHARTHANAGAR	0	0
BALRAMPUR	0	1	KANPUR	0	7	SITAPUR	9	9
BANDA	0	0	KANPUR DEHAT	4	1	SONBHADRA	0	0
BARABANKI	11	18	KASGANJ	1	2	SULTANPUR	0	0
BAREILLY	10	15	KAUSHAMBI	7	3	UNNAO	4	0
BASTI	2	1	KHERI	32	52	VARANASI	0	0
BIJNOR	4	3	KUSHINAGAR	0	0	Total	341	581
BULANDSAHAR	6	2	LALITPUR	0	1			
CHANDAULI	0	0	LUCKNOW	2	0			
CHITRAKOOT	0	0	MAHARAJGANJ	0	0			
DEORIA	0	0	MAHOBA	1	0			
ETAH	4	6	MAINPURI	5	7			
ETAWAH	2	7	MATHURA	14	27			
FAIZABAD	1	0	MAU	0	0			
FARRUKHABAD	0	0	MEERUT	11	4			
FATEHPUR	14	6	MIRZAPUR	5	5			
FIROZABAD	4	4	MORADABAD	4	3			

(d) Delhi

District	15 Sep – 16 Oct	
	2020	2021
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	2	0
NORTH EAST	0	0
NORTH WEST DELHI	1	0
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	0	0
Total	4	0

(e) Rajasthan

District	15 Sep – 16 Oct	
	2020	2021
AJMER	0	0
ALWAR	1	0
BANSWARA	0	0
BARAN	81	0
BARMER	2	0
BHARATPUR	0	0
BHILWARA	2	0
BIKANER	1	0
BUNDI	4	0
CHITTAURGARH	0	2
CHURU	0	0
DAUSA	0	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	2	0
HANUMANGARH	83	24
JAIPUR	1	0
JAISELMER	2	0
JALOR	0	0
JHALAWAR	1	0
JHUNJHUNUN	1	0
JODHPUR	1	0
KARALI	1	0
KOTA	23	1
NAGPUR	0	0
PALI	1	0
PRATAPGARH	0	0
RAJSMAND	0	0
SIKAR	0	0
SIROHI	1	0
SWAIMADHOPUR	5	0
TONK	1	0
UDAIPUR	0	0
Total	214	27

(f) Madhya Pradesh

District	15 Sep – 16 Oct				
	2020	2021			
			PANNA	2	0
ALIRAJPUR	0	0	RAISEN	11	1
ANUPPUR	0	0	RAJGARH	7	1
ASHOKNAGAR	10	0	RATLAM	0	0
BALAGHAT	0	0	REWA	3	0
BARWANI	0	0	SAGAR	13	6
BETUL	0	0	SATNA	3	6
BHIND	3	1	SEHORE	5	3
BHOPAL	6	5	SEONI	9	5
BURHANPUR	0	0	SHAHDOL	0	0
CHHATARPUR	4	0	SHAJAPUR	5	0
CHHINDWARA	1	3	SHEOPUR	11	0
DAMOH	16	4	SHIVPURI	5	0
DATIA	37	8	SIDHI	0	0
DEWAS	3	0	SINGRAULI	0	0
DHAR	20	0	TIKAMGARH	1	0
DINDORI	0	0	UJJAIN	5	0
EAST NIMAR	2	1	UMARIA	0	0
GUNA	15	1	VIDESHA	53	8
GWALIOR	23	0	WEST NIMAR	2	0
HARDA	8	9	Total	321	83
HOSHANGABAD	9	8			
INDORE	2	0			
JABALPUR	7	4			
JHABUA	0	0			
KATNI	0	0			
MANDLA	0	0			
MANDSAUR	3	0			
MORENA	14	5			
NARSHIMAPURA	3	4			
NIMACH	0	0			

State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021
(Period: 15 September – 16 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
Total	5319	2375	782	1026	341	581	4	0	214	27	321	83

Details of residue burning events in Punjab on 16-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	31.80060	74.79910	10/16/2021	13:04:15	D	4.80
2	AMRITSAR	AJNALA	S-NPP	31.87830	74.66680	10/16/2021	13:04:15	D	4.00
3	AMRITSAR	ATTARI	S-NPP	31.60670	74.69230	10/16/2021	13:04:15	D	6.20
4	AMRITSAR	ATTARI	S-NPP	31.62400	74.71190	10/16/2021	13:04:15	D	2.40
5	AMRITSAR	ATTARI	S-NPP	31.62540	74.63550	10/16/2021	13:04:15	D	7.40
6	AMRITSAR	ATTARI	S-NPP	31.63190	74.56180	10/16/2021	13:04:15	D	3.60
7	AMRITSAR	ATTARI	S-NPP	31.65240	74.57520	10/16/2021	13:04:15	D	2.70
8	AMRITSAR	CHOGAWAN	S-NPP	31.62370	74.71110	10/16/2021	13:04:15	D	3.40
9	AMRITSAR	CHOGAWAN	S-NPP	31.62790	74.70990	10/16/2021	13:04:15	D	3.40
10	AMRITSAR	CHOGAWAN	S-NPP	31.62810	74.71070	10/16/2021	13:04:15	D	3.20
11	AMRITSAR	CHOGAWAN	S-NPP	31.65220	74.63750	10/16/2021	13:04:15	D	3.30
12	AMRITSAR	CHOGAWAN	S-NPP	31.66120	74.70140	10/16/2021	13:04:15	D	10.50
13	AMRITSAR	CHOGAWAN	S-NPP	31.67370	74.74030	10/16/2021	13:04:15	D	3.70
14	AMRITSAR	CHOGAWAN	S-NPP	31.70260	74.56220	10/16/2021	13:04:15	D	2.20
15	AMRITSAR	CHOGAWAN	S-NPP	31.70330	74.56550	10/16/2021	13:04:15	D	3.60
16	AMRITSAR	CHOGAWAN	S-NPP	31.71190	74.62650	10/16/2021	13:04:15	D	2.30
17	AMRITSAR	CHOGAWAN	S-NPP	31.71220	74.63000	10/16/2021	13:04:15	D	2.90
18	AMRITSAR	CHOGAWAN	S-NPP	31.73800	74.66670	10/16/2021	13:04:15	D	2.90
19	AMRITSAR	CHOGAWAN	S-NPP	31.78190	74.58280	10/16/2021	13:04:15	D	2.40
20	AMRITSAR	HARSHA CHHINA	S-NPP	31.74520	74.74820	10/16/2021	13:04:15	D	2.70
21	AMRITSAR	HARSHA CHHINA	S-NPP	31.74660	74.74900	10/16/2021	13:04:15	D	3.60
22	AMRITSAR	HARSHA CHHINA	S-NPP	31.80330	74.89530	10/16/2021	13:04:15	D	1.90
23	AMRITSAR	JANDIALA GURU	S-NPP	31.52010	74.95370	10/16/2021	13:04:15	D	10.50
24	AMRITSAR	JANDIALA GURU	S-NPP	31.53190	74.92740	10/16/2021	13:04:15	D	2.30
25	AMRITSAR	JANDIALA GURU	S-NPP	31.53880	75.10790	10/16/2021	13:04:15	D	1.50
26	AMRITSAR	JANDIALA GURU	S-NPP	31.54100	74.92940	10/16/2021	13:04:15	D	2.50
27	AMRITSAR	JANDIALA GURU	S-NPP	31.54320	74.96110	10/16/2021	13:04:15	D	2.00
28	AMRITSAR	JANDIALA GURU	S-NPP	31.54730	74.95990	10/16/2021	13:04:15	D	4.30
29	AMRITSAR	JANDIALA GURU	S-NPP	31.54860	75.05090	10/16/2021	13:04:15	D	2.80

30	AMRITSAR	JANDIALA GURU	S-NPP	31.56110	75.07010	10/16/2021	13:04:15	D	5.20
31	AMRITSAR	JANDIALA GURU	S-NPP	31.60110	75.10490	10/16/2021	13:04:15	D	5.60
32	AMRITSAR	JANDIALA GURU	S-NPP	31.69690	75.03810	10/16/2021	13:04:15	D	2.70
33	AMRITSAR	MAJITHA	S-NPP	31.70030	75.10880	10/16/2021	13:04:15	D	6.20
34	AMRITSAR	MAJITHA	S-NPP	31.70300	75.10850	10/16/2021	13:04:15	D	3.70
35	AMRITSAR	MAJITHA	S-NPP	31.72240	74.95370	10/16/2021	13:04:15	D	7.20
36	AMRITSAR	MAJITHA	S-NPP	31.73640	75.06320	10/16/2021	13:04:15	D	3.60
37	AMRITSAR	MAJITHA	S-NPP	31.73730	75.06750	10/16/2021	13:04:15	D	21.80
38	AMRITSAR	MAJITHA	S-NPP	31.73870	74.94920	10/16/2021	13:04:15	D	4.60
39	AMRITSAR	MAJITHA	S-NPP	31.74790	74.90990	10/16/2021	13:04:15	D	6.20
40	AMRITSAR	MAJITHA	S-NPP	31.74980	75.14910	10/16/2021	13:04:15	D	2.80
41	AMRITSAR	MAJITHA	S-NPP	31.75210	75.13950	10/16/2021	13:04:15	D	2.60
42	AMRITSAR	MAJITHA	S-NPP	31.76210	75.04250	10/16/2021	13:04:15	D	5.80
43	AMRITSAR	MAJITHA	S-NPP	31.76330	75.06930	10/16/2021	13:04:15	D	3.60
44	AMRITSAR	MAJITHA	S-NPP	31.76720	74.94110	10/16/2021	13:04:15	D	1.90
45	AMRITSAR	MAJITHA	S-NPP	31.77720	75.01120	10/16/2021	13:04:15	D	3.10
46	AMRITSAR	MAJITHA	S-NPP	31.79100	74.98090	10/16/2021	13:04:15	D	2.90
47	AMRITSAR	MAJITHA	S-NPP	31.79230	74.97970	10/16/2021	13:04:15	D	3.60
48	AMRITSAR	MAJITHA	S-NPP	31.80620	75.01290	10/16/2021	13:04:15	D	8.80
49	AMRITSAR	MAJITHA	S-NPP	31.84430	74.94780	10/16/2021	13:04:15	D	3.00
50	AMRITSAR	RAYYA	S-NPP	31.52100	75.16680	10/16/2021	13:04:15	D	5.30
51	AMRITSAR	RAYYA	S-NPP	31.52930	75.12410	10/16/2021	13:04:15	D	13.50
52	AMRITSAR	RAYYA	S-NPP	31.55180	75.29590	10/16/2021	13:04:15	D	2.20
53	AMRITSAR	RAYYA	S-NPP	31.55880	75.14290	10/16/2021	13:04:15	D	7.30
54	AMRITSAR	RAYYA	S-NPP	31.57140	75.24640	10/16/2021	13:04:15	D	2.50
55	AMRITSAR	RAYYA	S-NPP	31.57740	75.35890	10/16/2021	13:04:15	D	12.30
56	AMRITSAR	RAYYA	S-NPP	31.59380	75.23130	10/16/2021	13:04:15	D	1.50
57	AMRITSAR	RAYYA	S-NPP	31.60020	75.30460	10/16/2021	13:04:15	D	3.90
58	AMRITSAR	RAYYA	S-NPP	31.61410	75.33140	10/16/2021	13:04:15	D	8.60
59	AMRITSAR	RAYYA	S-NPP	31.61490	75.33550	10/16/2021	13:04:15	D	8.60
60	AMRITSAR	RAYYA	S-NPP	31.61670	75.26040	10/16/2021	13:04:15	D	3.80
61	AMRITSAR	RAYYA	S-NPP	31.63730	75.32060	10/16/2021	13:04:15	D	2.70
62	AMRITSAR	RAYYA	S-NPP	31.63740	75.32110	10/16/2021	13:04:15	D	4.20

63	AMRITSAR	TARSIKKA	S-NPP	31.65210	75.14460	10/16/2021	13:04:15	D	4.10
64	AMRITSAR	TARSIKKA	S-NPP	31.65300	75.14880	10/16/2021	13:04:15	D	4.10
65	AMRITSAR	TARSIKKA	S-NPP	31.66360	75.22150	10/16/2021	13:04:15	D	2.60
66	AMRITSAR	TARSIKKA	S-NPP	31.66650	75.19410	10/16/2021	13:04:15	D	18.10
67	AMRITSAR	TARSIKKA	S-NPP	31.67050	75.19300	10/16/2021	13:04:15	D	4.70
68	AMRITSAR	TARSIKKA	S-NPP	31.67080	75.15280	10/16/2021	13:04:15	D	3.20
69	AMRITSAR	VERKA	S-NPP	31.65880	74.81470	10/16/2021	13:04:15	D	3.90
70	AMRITSAR	VERKA	S-NPP	31.66290	74.81350	10/16/2021	13:04:15	D	3.90
71	AMRITSAR	VERKA	S-NPP	31.70620	74.91700	10/16/2021	13:04:15	D	5.50
72	AMRITSAR	VERKA	S-NPP	31.71830	74.95490	10/16/2021	13:04:15	D	2.20
73	BARNALA	MAHAL KALAN	S-NPP	30.58770	75.44970	10/16/2021	13:04:15	D	11.20
74	BARNALA	SEHNA	S-NPP	30.49200	75.28860	10/16/2021	13:04:15	D	3.40
75	BATHINDA	BATHINDA	S-NPP	30.08980	75.03530	10/16/2021	13:04:15	D	3.30
76	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50260	75.10560	10/16/2021	13:04:15	D	5.10
77	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50360	75.10780	10/16/2021	13:04:15	D	13.80
78	FARIDKOT	FARIDKOT	S-NPP	30.63320	74.75870	10/16/2021	13:04:15	D	2.90
79	FARIDKOT	FARIDKOT	S-NPP	30.68190	74.84800	10/16/2021	13:04:15	D	4.80
80	FARIDKOT	FARIDKOT	S-NPP	30.68610	74.84680	10/16/2021	13:04:15	D	4.80
81	FARIDKOT	FARIDKOT	S-NPP	30.72220	74.65710	10/16/2021	13:04:15	D	4.70
82	FARIDKOT	FARIDKOT	S-NPP	30.72430	74.71040	10/16/2021	13:04:15	D	2.60
83	FARIDKOT	FARIDKOT	S-NPP	30.72500	74.67100	10/16/2021	13:04:15	D	2.80
84	FARIDKOT	FARIDKOT	S-NPP	30.75570	74.53040	10/16/2021	13:04:15	D	11.80
85	FARIDKOT	FARIDKOT	S-NPP	30.75670	74.53510	10/16/2021	13:04:15	D	37.50
86	FARIDKOT	KOT KAPURA	S-NPP	30.52280	74.75410	10/16/2021	13:04:15	D	4.90
87	FARIDKOT	KOT KAPURA	S-NPP	30.53420	74.80930	10/16/2021	13:04:15	D	7.70
88	FARIDKOT	KOT KAPURA	S-NPP	30.54470	74.78320	10/16/2021	13:04:15	D	2.60
89	FARIDKOT	KOT KAPURA	S-NPP	30.55410	74.78550	10/16/2021	13:04:15	D	3.60
90	FARIDKOT	KOT KAPURA	S-NPP	30.66550	74.93710	10/16/2021	13:04:15	D	25.10
91	FATEHGARH SAHIB	AMLOH	S-NPP	30.57120	76.14450	10/16/2021	13:04:15	D	16.30
92	FATEHGARH SAHIB	AMLOH	S-NPP	30.58790	76.14620	10/16/2021	13:04:15	D	1.90
93	FATEHGARH SAHIB	AMLOH	S-NPP	30.62440	76.15300	10/16/2021	13:04:15	D	2.70
94	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68280	76.50880	10/16/2021	13:04:15	D	3.20
95	FATEHGARH SAHIB	KHAMANON	S-NPP	30.86770	76.31530	10/16/2021	13:04:15	D	4.30

96	FATEHGARH SAHIB	KHERA	S-NPP	30.60560	76.54860	10/16/2021	13:04:15	D	2.20
97	FATEHGARH SAHIB	KHERA	S-NPP	30.63020	76.53060	10/16/2021	13:04:15	D	4.10
98	FATEHGARH SAHIB	SIRHIND	S-NPP	30.54830	76.42200	10/16/2021	13:04:15	D	12.20
99	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60180	76.38440	10/16/2021	13:04:15	D	2.90
100	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.44470	74.12500	10/16/2021	13:04:15	D	2.40
101	FAZILKA	FAZILKA	S-NPP	30.45380	73.99360	10/16/2021	13:04:15	D	8.30
102	FAZILKA	FAZILKA	S-NPP	30.45820	73.99230	10/16/2021	13:04:15	D	3.50
103	FAZILKA	JALALABAD	S-NPP	30.50540	74.21350	10/16/2021	13:04:15	D	7.20
104	FAZILKA	JALALABAD	S-NPP	30.51600	74.24200	10/16/2021	13:04:15	D	32.00
105	FIROZPUR	GHALL KHURD	S-NPP	30.76380	74.85870	10/16/2021	13:04:15	D	6.00
106	FIROZPUR	GHALL KHURD	S-NPP	30.78420	74.89710	10/16/2021	13:04:15	D	4.60
107	FIROZPUR	GHALL KHURD	S-NPP	30.78520	74.90160	10/16/2021	13:04:15	D	4.60
108	FIROZPUR	GHALL KHURD	S-NPP	30.78560	74.90040	10/16/2021	13:04:15	D	9.60
109	FIROZPUR	GHALL KHURD	S-NPP	30.88510	74.87380	10/16/2021	13:04:15	D	2.90
110	FIROZPUR	GHALL KHURD	S-NPP	31.01800	74.75460	10/16/2021	13:04:15	D	9.70
111	FIROZPUR	GURUHAR SAHAI	S-NPP	30.58180	74.31370	10/16/2021	13:04:15	D	25.10
112	FIROZPUR	GURUHAR SAHAI	S-NPP	30.58610	74.31250	10/16/2021	13:04:15	D	25.10
113	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61150	74.36710	10/16/2021	13:04:15	D	29.20
114	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71760	74.30810	10/16/2021	13:04:15	D	10.20
115	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72070	74.42970	10/16/2021	13:04:15	D	21.80
116	FIROZPUR	GURUHAR SAHAI	S-NPP	30.74420	74.43320	10/16/2021	13:04:15	D	4.30
117	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76630	74.27720	10/16/2021	13:04:15	D	3.30
118	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76630	74.27880	10/16/2021	13:04:15	D	3.00
119	FIROZPUR	MAMDOT	S-NPP	30.77950	74.34190	10/16/2021	13:04:15	D	3.30
120	FIROZPUR	MAMDOT	S-NPP	30.77990	74.34000	10/16/2021	13:04:15	D	3.20
121	FIROZPUR	MAMDOT	S-NPP	30.85400	74.49580	10/16/2021	13:04:15	D	2.30
122	GURDASPUR	BATALA	S-NPP	31.72510	75.25310	10/16/2021	13:04:15	D	7.10
123	GURDASPUR	BATALA	S-NPP	31.75440	75.19230	10/16/2021	13:04:15	D	6.00
124	GURDASPUR	BATALA	S-NPP	31.75790	75.20900	10/16/2021	13:04:15	D	3.80
125	GURDASPUR	BATALA	S-NPP	31.75820	75.16900	10/16/2021	13:04:15	D	3.20
126	GURDASPUR	BATALA	S-NPP	31.90890	75.18090	10/16/2021	13:04:15	D	3.60
127	GURDASPUR	DERA BABA NANAK	S-NPP	31.91670	75.03780	10/16/2021	13:04:15	D	4.00
128	GURDASPUR	DERA BABA NANAK	S-NPP	31.91760	75.04210	10/16/2021	13:04:15	D	4.00

129	GURDASPUR	DERA BABA NANAK	S-NPP	31.97640	74.95340	10/16/2021	13:04:15	D	1.60
130	GURDASPUR	DERA BABA NANAK	S-NPP	32.01200	74.96690	10/16/2021	13:04:15	D	2.60
131	GURDASPUR	DHARIWAL	S-NPP	31.91330	75.30680	10/16/2021	13:04:15	D	4.10
132	GURDASPUR	DHARIWAL	S-NPP	31.94730	75.37100	10/16/2021	13:04:15	D	1.90
133	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.80650	75.07590	10/16/2021	13:04:15	D	5.90
134	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.80720	75.07500	10/16/2021	13:04:15	D	5.50
135	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.81350	75.10970	10/16/2021	13:04:15	D	4.40
136	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.81410	75.10890	10/16/2021	13:04:15	D	4.60
137	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.82760	75.07450	10/16/2021	13:04:15	D	3.40
138	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.84800	75.02840	10/16/2021	13:04:15	D	4.90
139	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.86590	75.03230	10/16/2021	13:04:15	D	5.00
140	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.88990	74.95040	10/16/2021	13:04:15	D	3.50
141	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.89250	74.95250	10/16/2021	13:04:15	D	4.50
142	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.92650	74.94020	10/16/2021	13:04:15	D	2.40
143	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.94940	74.94730	10/16/2021	13:04:15	D	2.80
144	GURDASPUR	GURDASPUR	S-NPP	32.05890	75.31980	10/16/2021	13:04:15	D	2.70
145	GURDASPUR	KAHNUWAN	S-NPP	31.81710	75.45800	10/16/2021	13:04:15	D	1.80
146	GURDASPUR	KAHNUWAN	S-NPP	31.82600	75.50240	10/16/2021	13:04:15	D	6.60
147	GURDASPUR	KAHNUWAN	S-NPP	31.83080	75.50530	10/16/2021	13:04:15	D	2.80
148	GURDASPUR	KAHNUWAN	S-NPP	31.83660	75.40970	10/16/2021	13:04:15	D	2.70
149	GURDASPUR	KAHNUWAN	S-NPP	31.88480	75.41400	10/16/2021	13:04:15	D	4.10
150	GURDASPUR	KAHNUWAN	S-NPP	31.89170	75.51830	10/16/2021	13:04:15	D	6.00
151	GURDASPUR	KALANAUR	S-NPP	32.00080	75.15690	10/16/2021	13:04:15	D	3.10
152	GURDASPUR	QADIAN	S-NPP	31.74290	75.30100	10/16/2021	13:04:15	D	1.80
153	GURDASPUR	QADIAN	S-NPP	31.74320	75.30080	10/16/2021	13:04:15	D	1.60
154	GURDASPUR	QADIAN	S-NPP	31.79410	75.28260	10/16/2021	13:04:15	D	3.20
155	GURDASPUR	QADIAN	S-NPP	31.85420	75.28780	10/16/2021	13:04:15	D	3.80
156	GURDASPUR	QADIAN	S-NPP	31.85470	75.28810	10/16/2021	13:04:15	D	4.50
157	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.63700	75.40350	10/16/2021	13:04:15	D	3.70
158	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.65110	75.32610	10/16/2021	13:04:15	D	3.50
159	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.70240	75.41200	10/16/2021	13:04:15	D	2.90
160	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.72480	75.41890	10/16/2021	13:04:15	D	2.10
161	HOSHIARPUR	GARH SHANKAR	S-NPP	31.18590	76.17820	10/16/2021	13:04:15	D	5.00

162	JALANDHAR	ADAMPUR	S-NPP	31.39260	75.76280	10/16/2021	13:04:15	D	5.70
163	JALANDHAR	ADAMPUR	S-NPP	31.39370	75.76050	10/16/2021	13:04:15	D	8.70
164	JALANDHAR	ADAMPUR	S-NPP	31.48180	75.72420	10/16/2021	13:04:15	D	10.10
165	JALANDHAR	BHOGPUR	S-NPP	31.50540	75.56390	10/16/2021	13:04:15	D	2.10
166	JALANDHAR	JALANDHAR WEST	S-NPP	31.42100	75.48220	10/16/2021	13:04:15	D	2.20
167	JALANDHAR	LOHIAN	S-NPP	31.14550	75.20320	10/16/2021	13:04:15	D	2.90
168	JALANDHAR	MEHATPUR	S-NPP	30.98840	75.51020	10/16/2021	13:04:15	D	3.00
169	JALANDHAR	NAKODAR	S-NPP	31.17280	75.40080	10/16/2021	13:04:15	D	1.90
170	JALANDHAR	NAKODAR	S-NPP	31.21710	75.38870	10/16/2021	13:04:15	D	2.80
171	JALANDHAR	NAKODAR	S-NPP	31.22070	75.38820	10/16/2021	13:04:15	D	5.50
172	JALANDHAR	SHAHKOT	S-NPP	31.00130	75.36760	10/16/2021	13:04:15	D	4.00
173	JALANDHAR	SHAHKOT	S-NPP	31.00540	75.36650	10/16/2021	13:04:15	D	4.80
174	JALANDHAR	SHAHKOT	S-NPP	31.06470	75.30120	10/16/2021	13:04:15	D	4.10
175	JALANDHAR	SHAHKOT	S-NPP	31.14500	75.36860	10/16/2021	13:04:15	D	5.60
176	KAPURTHALA	DHILWAN	S-NPP	31.44710	75.38110	10/16/2021	13:04:15	D	8.00
177	KAPURTHALA	DHILWAN	S-NPP	31.45900	75.29440	10/16/2021	13:04:15	D	11.90
178	KAPURTHALA	DHILWAN	S-NPP	31.54220	75.37290	10/16/2021	13:04:15	D	2.70
179	KAPURTHALA	DHILWAN	S-NPP	31.54260	75.37240	10/16/2021	13:04:15	D	2.40
180	KAPURTHALA	KAPURTHALA	S-NPP	31.29300	75.26210	10/16/2021	13:04:15	D	5.70
181	KAPURTHALA	KAPURTHALA	S-NPP	31.32040	75.29960	10/16/2021	13:04:15	D	16.90
182	KAPURTHALA	KAPURTHALA	S-NPP	31.32440	75.29840	10/16/2021	13:04:15	D	16.90
183	KAPURTHALA	KAPURTHALA	S-NPP	31.32530	75.30260	10/16/2021	13:04:15	D	19.90
184	KAPURTHALA	KAPURTHALA	S-NPP	31.39820	75.32680	10/16/2021	13:04:15	D	1.90
185	KAPURTHALA	KAPURTHALA	S-NPP	31.40140	75.32150	10/16/2021	13:04:15	D	4.50
186	KAPURTHALA	NADALA	S-NPP	31.52560	75.47680	10/16/2021	13:04:15	D	4.10
187	KAPURTHALA	NADALA	S-NPP	31.60190	75.41740	10/16/2021	13:04:15	D	5.50
188	KAPURTHALA	NADALA	S-NPP	31.63190	75.50390	10/16/2021	13:04:15	D	3.00
189	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.21140	75.17680	10/16/2021	13:04:15	D	15.00
190	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.26100	75.16760	10/16/2021	13:04:15	D	8.20
191	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.26420	75.16220	10/16/2021	13:04:15	D	7.80
192	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.26510	75.16650	10/16/2021	13:04:15	D	8.20
193	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.29640	75.16300	10/16/2021	13:04:15	D	3.30
194	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.33420	75.17970	10/16/2021	13:04:15	D	2.90

195	LUDHIANA	JAGRAON	S-NPP	30.69170	75.38170	10/16/2021	13:04:15	D	5.80
196	LUDHIANA	JAGRAON	S-NPP	30.69810	75.37100	10/16/2021	13:04:15	D	2.80
197	LUDHIANA	JAGRAON	S-NPP	30.75080	75.50340	10/16/2021	13:04:15	D	3.90
198	LUDHIANA	LUDHIANA-2	S-NPP	30.93910	75.76830	10/16/2021	13:04:15	D	3.80
199	LUDHIANA	LUDHIANA-2	S-NPP	30.94300	75.76730	10/16/2021	13:04:15	D	6.00
200	LUDHIANA	LUDHIANA-2	S-NPP	30.95920	76.01630	10/16/2021	13:04:15	D	4.80
201	LUDHIANA	LUDHIANA-2	S-NPP	30.96320	76.01530	10/16/2021	13:04:15	D	4.80
202	LUDHIANA	MACHHIWARA	S-NPP	30.83830	76.26920	10/16/2021	13:04:15	D	5.20
203	LUDHIANA	MACHHIWARA	S-NPP	30.83920	76.27140	10/16/2021	13:04:15	D	4.60
204	LUDHIANA	MACHHIWARA	S-NPP	30.86610	76.18360	10/16/2021	13:04:15	D	3.50
205	LUDHIANA	MACHHIWARA	S-NPP	30.98270	76.25900	10/16/2021	13:04:15	D	3.90
206	LUDHIANA	MACHHIWARA	S-NPP	30.99810	76.25490	10/16/2021	13:04:15	D	6.90
207	LUDHIANA	MACHHIWARA	S-NPP	30.99930	76.26060	10/16/2021	13:04:15	D	6.90
208	LUDHIANA	PAKHOWAL	S-NPP	30.68690	75.72900	10/16/2021	13:04:15	D	8.60
209	LUDHIANA	PAKHOWAL	S-NPP	30.69090	75.72790	10/16/2021	13:04:15	D	3.80
210	LUDHIANA	RAIKOT	S-NPP	30.60180	75.62210	10/16/2021	13:04:15	D	3.70
211	LUDHIANA	SAMRALA	S-NPP	30.79770	76.24620	10/16/2021	13:04:15	D	6.30
212	LUDHIANA	SIDHWAN BET	S-NPP	30.85990	75.56210	10/16/2021	13:04:15	D	7.60
213	LUDHIANA	SIDHWAN BET	S-NPP	30.86300	75.45160	10/16/2021	13:04:15	D	3.30
214	LUDHIANA	SIDHWAN BET	S-NPP	30.86390	75.56100	10/16/2021	13:04:15	D	7.60
215	LUDHIANA	SIDHWAN BET	S-NPP	30.86740	75.59910	10/16/2021	13:04:15	D	3.90
216	LUDHIANA	SIDHWAN BET	S-NPP	30.87140	75.59810	10/16/2021	13:04:15	D	3.90
217	LUDHIANA	SIDHWAN BET	S-NPP	30.89220	75.59680	10/16/2021	13:04:15	D	2.00
218	LUDHIANA	SIDHWAN BET	S-NPP	30.91400	75.41610	10/16/2021	13:04:15	D	89.70
219	LUDHIANA	SIDHWAN BET	S-NPP	30.92330	75.52350	10/16/2021	13:04:15	D	4.50
220	LUDHIANA	SIDHWAN BET	S-NPP	30.92420	75.52760	10/16/2021	13:04:15	D	4.50
221	LUDHIANA	SUDHAR	S-NPP	30.82260	75.69270	10/16/2021	13:04:15	D	4.80
222	MANSA	SARDULGARH	S-NPP	29.68120	75.30510	10/16/2021	13:04:15	D	7.20
223	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.95490	75.12310	10/16/2021	13:04:15	D	2.10
224	MOGA	MOGA-1	S-NPP	30.73240	75.17190	10/16/2021	13:04:15	D	2.20
225	MOGA	MOGA-1	S-NPP	30.73940	75.34190	10/16/2021	13:04:15	D	13.30
226	MOGA	MOGA-2	S-NPP	30.74480	75.12710	10/16/2021	13:04:15	D	17.40
227	MOGA	NIHAL SINGH	S-NPP	30.60860	75.36340	10/16/2021	13:04:15	D	4.40

228	MOGA	NIHAL SINGH	S-NPP	30.69270	75.21860	10/16/2021	13:04:15	D	11.00
229	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.36100	74.61300	10/16/2021	13:04:15	D	10.10
230	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.43600	74.72420	10/16/2021	13:04:15	D	3.40
231	MUKTSAR	MUKTSAR	S-NPP	30.54670	74.49540	10/16/2021	13:04:15	D	4.70
232	MUKTSAR	MUKTSAR	S-NPP	30.55570	74.68730	10/16/2021	13:04:15	D	10.20
233	MUKTSAR	MUKTSAR	S-NPP	30.59880	74.57110	10/16/2021	13:04:15	D	12.70
234	MUKTSAR	MUKTSAR	S-NPP	30.62140	74.54150	10/16/2021	13:04:15	D	4.90
235	MUKTSAR	MUKTSAR	S-NPP	30.66400	74.52950	10/16/2021	13:04:15	D	10.30
236	PATIALA	BHUNARHERI	S-NPP	30.12870	76.53220	10/16/2021	13:04:15	D	8.40
237	PATIALA	BHUNARHERI	S-NPP	30.12900	76.53420	10/16/2021	13:04:15	D	4.70
238	PATIALA	BHUNARHERI	S-NPP	30.14470	76.59520	10/16/2021	13:04:15	D	8.20
239	PATIALA	BHUNARHERI	S-NPP	30.14580	76.59860	10/16/2021	13:04:15	D	6.70
240	PATIALA	BHUNARHERI	S-NPP	30.15520	76.54320	10/16/2021	13:04:15	D	5.00
241	PATIALA	BHUNARHERI	S-NPP	30.15740	76.63670	10/16/2021	13:04:15	D	4.90
242	PATIALA	BHUNARHERI	S-NPP	30.16620	76.51660	10/16/2021	13:04:15	D	8.00
243	PATIALA	BHUNARHERI	S-NPP	30.17010	76.55710	10/16/2021	13:04:15	D	10.70
244	PATIALA	BHUNARHERI	S-NPP	30.21540	76.49800	10/16/2021	13:04:15	D	4.20
245	PATIALA	BHUNARHERI	S-NPP	30.25430	76.45090	10/16/2021	13:04:15	D	4.60
246	PATIALA	BHUNARHERI	S-NPP	30.27430	76.51120	10/16/2021	13:04:15	D	4.60
247	PATIALA	BHUNARHERI	S-NPP	30.27810	76.51020	10/16/2021	13:04:15	D	4.60
248	PATIALA	GHANAUR	S-NPP	30.33880	76.63560	10/16/2021	13:04:15	D	2.70
249	PATIALA	GHANAUR	S-NPP	30.39080	76.56760	10/16/2021	13:04:15	D	14.00
250	PATIALA	NABHA	S-NPP	30.32910	76.06650	10/16/2021	13:04:15	D	4.00
251	PATIALA	NABHA	S-NPP	30.34090	76.08420	10/16/2021	13:04:15	D	2.50
252	PATIALA	NABHA	S-NPP	30.35280	76.06030	10/16/2021	13:04:15	D	9.70
253	PATIALA	NABHA	S-NPP	30.41450	76.05240	10/16/2021	13:04:15	D	3.40
254	PATIALA	NABHA	S-NPP	30.52550	76.10110	10/16/2021	13:04:15	D	4.90
255	PATIALA	PATIALA	S-NPP	30.25860	76.20140	10/16/2021	13:04:15	D	3.50
256	PATIALA	PATIALA	S-NPP	30.28430	76.23580	10/16/2021	13:04:15	D	10.30
257	PATIALA	PATIALA	S-NPP	30.33420	76.25940	10/16/2021	13:04:15	D	5.90
258	PATIALA	PATIALA	S-NPP	30.42650	76.52310	10/16/2021	13:04:15	D	5.80
259	PATIALA	PATIALA	S-NPP	30.43040	76.52210	10/16/2021	13:04:15	D	5.80
260	PATIALA	PATIAN	S-NPP	29.84560	76.19910	10/16/2021	13:04:15	D	3.20

261	PATIALA	PATRAN	S-NPP	29.84640	76.21570	10/16/2021	13:04:15	D	5.70
262	PATIALA	PATRAN	S-NPP	29.84710	76.19890	10/16/2021	13:04:15	D	4.90
263	PATIALA	PATRAN	S-NPP	29.84720	76.21960	10/16/2021	13:04:15	D	4.90
264	PATIALA	PATRAN	S-NPP	29.84940	76.21890	10/16/2021	13:04:15	D	11.70
265	PATIALA	PATRAN	S-NPP	29.85110	76.19790	10/16/2021	13:04:15	D	5.30
266	PATIALA	PATRAN	S-NPP	29.85110	76.21860	10/16/2021	13:04:15	D	4.90
267	PATIALA	PATRAN	S-NPP	29.85170	76.23070	10/16/2021	13:04:15	D	2.60
268	PATIALA	PATRAN	S-NPP	29.85350	76.23040	10/16/2021	13:04:15	D	2.00
269	PATIALA	PATRAN	S-NPP	29.85900	76.15420	10/16/2021	13:04:15	D	2.00
270	PATIALA	PATRAN	S-NPP	29.85980	76.19980	10/16/2021	13:04:15	D	4.40
271	PATIALA	PATRAN	S-NPP	29.86370	76.19880	10/16/2021	13:04:15	D	4.40
272	PATIALA	PATRAN	S-NPP	29.86450	76.20270	10/16/2021	13:04:15	D	4.40
273	PATIALA	PATRAN	S-NPP	29.86760	76.07230	10/16/2021	13:04:15	D	9.70
274	PATIALA	PATRAN	S-NPP	29.87090	76.19280	10/16/2021	13:04:15	D	8.10
275	PATIALA	PATRAN	S-NPP	29.87400	76.22920	10/16/2021	13:04:15	D	2.50
276	PATIALA	PATRAN	S-NPP	29.92080	76.15070	10/16/2021	13:04:15	D	2.70
277	PATIALA	PATRAN	S-NPP	29.92630	76.15760	10/16/2021	13:04:15	D	2.60
278	PATIALA	PATRAN	S-NPP	29.97070	76.08330	10/16/2021	13:04:15	D	4.60
279	PATIALA	RAJPURA	S-NPP	30.49950	76.56640	10/16/2021	13:04:15	D	5.60
280	PATIALA	RAJPURA	S-NPP	30.51480	76.56250	10/16/2021	13:04:15	D	3.00
281	PATIALA	RAJPURA	S-NPP	30.51710	76.53260	10/16/2021	13:04:15	D	2.20
282	PATIALA	RAJPURA	S-NPP	30.52670	76.62350	10/16/2021	13:04:15	D	3.00
283	PATIALA	SAMANA	S-NPP	30.07110	76.09920	10/16/2021	13:04:15	D	2.80
284	PATIALA	SAMANA	S-NPP	30.08790	76.20380	10/16/2021	13:04:15	D	11.10
285	PATIALA	SAMANA	S-NPP	30.09420	76.21450	10/16/2021	13:04:15	D	2.80
286	PATIALA	SAMANA	S-NPP	30.17850	76.17290	10/16/2021	13:04:15	D	4.30
287	PATIALA	SAMANA	S-NPP	30.18240	76.17190	10/16/2021	13:04:15	D	3.20
288	PATIALA	SANAUR	S-NPP	30.28580	76.46670	10/16/2021	13:04:15	D	3.60
289	PATIALA	SANAUR	S-NPP	30.30400	76.49760	10/16/2021	13:04:15	D	2.30
290	PATIALA	SHAMBU KALAN	S-NPP	30.45860	76.68980	10/16/2021	13:04:15	D	10.40
291	PATIALA	SHAMBU KALAN	S-NPP	30.46460	76.69980	10/16/2021	13:04:15	D	10.30
292	PATIALA	SHAMBU KALAN	S-NPP	30.48180	76.64330	10/16/2021	13:04:15	D	1.70
293	PATIALA	SHAMBU KALAN	S-NPP	30.48300	76.64630	10/16/2021	13:04:15	D	3.60

294	PATIALA	SHAMBU KALAN	S-NPP	30.48630	76.54050	10/16/2021	13:04:15	D	12.20
295	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.87560	76.48110	10/16/2021	13:04:15	D	3.60
296	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.87690	76.48400	10/16/2021	13:04:15	D	3.60
297	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.88060	76.40090	10/16/2021	13:04:15	D	2.70
298	RUPNAGAR	MORINDA	S-NPP	30.79300	76.53870	10/16/2021	13:04:15	D	3.00
299	RUPNAGAR	MORINDA	S-NPP	30.79420	76.53720	10/16/2021	13:04:15	D	4.30
300	RUPNAGAR	MORINDA	S-NPP	30.80020	76.46550	10/16/2021	13:04:15	D	5.90
301	SANGRUR	ANDANA	S-NPP	29.75740	75.94310	10/16/2021	13:04:15	D	3.20
302	SANGRUR	ANDANA	S-NPP	29.75900	75.92980	10/16/2021	13:04:15	D	7.00
303	SANGRUR	ANDANA	S-NPP	29.81380	75.97170	10/16/2021	13:04:15	D	13.20
304	SANGRUR	BHAWANIGARH	S-NPP	30.29990	76.10740	10/16/2021	13:04:15	D	4.20
305	SANGRUR	DHURI	S-NPP	30.39700	75.88060	10/16/2021	13:04:15	D	1.70
306	SANGRUR	MALERKOTLA-1	S-NPP	30.38690	76.01800	10/16/2021	13:04:15	D	2.40
307	SANGRUR	MALERKOTLA-2	S-NPP	30.67110	75.77600	10/16/2021	13:04:15	D	7.60
308	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.42980	76.89120	10/16/2021	13:04:15	D	2.00
309	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.47690	76.86800	10/16/2021	13:04:15	D	8.20
310	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.53170	76.83440	10/16/2021	13:04:15	D	10.20
311	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.56430	76.79770	10/16/2021	13:04:15	D	2.30
312	SAS NAGAR (MOHALI)	KHARAR	S-NPP	30.62150	76.71240	10/16/2021	13:04:15	D	3.70
313	SBS NAGAR	AUR	S-NPP	31.15910	75.89830	10/16/2021	13:04:15	D	3.50
314	SBS NAGAR	BALACHAUR	S-NPP	31.02850	76.26480	10/16/2021	13:04:15	D	5.20
315	SBS NAGAR	BANGA	S-NPP	31.22210	76.07190	10/16/2021	13:04:15	D	4.50
316	TARN TARAN	BHIKHIWIND	S-NPP	31.25540	74.67140	10/16/2021	13:04:15	D	2.80
317	TARN TARAN	BHIKHIWIND	S-NPP	31.25580	74.65200	10/16/2021	13:04:15	D	6.10
318	TARN TARAN	BHIKHIWIND	S-NPP	31.27730	74.71320	10/16/2021	13:04:15	D	2.20
319	TARN TARAN	BHIKHIWIND	S-NPP	31.28430	74.72560	10/16/2021	13:04:15	D	7.50
320	TARN TARAN	BHIKHIWIND	S-NPP	31.30000	74.73820	10/16/2021	13:04:15	D	3.50
321	TARN TARAN	BHIKHIWIND	S-NPP	31.30190	74.74720	10/16/2021	13:04:15	D	9.70
322	TARN TARAN	BHIKHIWIND	S-NPP	31.30230	74.74920	10/16/2021	13:04:15	D	10.90
323	TARN TARAN	BHIKHIWIND	S-NPP	31.31970	74.68490	10/16/2021	13:04:15	D	4.00
324	TARN TARAN	BHIKHIWIND	S-NPP	31.32060	74.68950	10/16/2021	13:04:15	D	7.40
325	TARN TARAN	BHIKHIWIND	S-NPP	31.35280	74.73770	10/16/2021	13:04:15	D	24.10
326	TARN TARAN	BHIKHIWIND	S-NPP	31.35340	74.65630	10/16/2021	13:04:15	D	2.90

327	TARN TARAN	BHIKHIWIND	S-NPP	31.35440	74.66080	10/16/2021	13:04:15	D	3.90
328	TARN TARAN	BHIKHIWIND	S-NPP	31.37380	74.62640	10/16/2021	13:04:15	D	4.30
329	TARN TARAN	BHIKHIWIND	S-NPP	31.40560	74.65710	10/16/2021	13:04:15	D	7.10
330	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23330	75.05240	10/16/2021	13:04:15	D	4.50
331	TARN TARAN	CHOHLA SAHIB	S-NPP	31.24260	75.01310	10/16/2021	13:04:15	D	1.70
332	TARN TARAN	CHOHLA SAHIB	S-NPP	31.25690	74.93130	10/16/2021	13:04:15	D	3.70
333	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26190	75.01780	10/16/2021	13:04:15	D	3.00
334	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26190	75.05910	10/16/2021	13:04:15	D	4.20
335	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26510	75.01230	10/16/2021	13:04:15	D	3.00
336	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26590	75.05800	10/16/2021	13:04:15	D	4.20
337	TARN TARAN	CHOHLA SAHIB	S-NPP	31.27380	74.90790	10/16/2021	13:04:15	D	3.50
338	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28560	75.00660	10/16/2021	13:04:15	D	6.60
339	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29160	74.93090	10/16/2021	13:04:15	D	6.30
340	TARN TARAN	CHOHLA SAHIB	S-NPP	31.30040	74.90990	10/16/2021	13:04:15	D	25.40
341	TARN TARAN	CHOHLA SAHIB	S-NPP	31.31930	75.00190	10/16/2021	13:04:15	D	2.80
342	TARN TARAN	CHOHLA SAHIB	S-NPP	31.33790	75.09280	10/16/2021	13:04:15	D	3.40
343	TARN TARAN	CHOHLA SAHIB	S-NPP	31.33840	75.07440	10/16/2021	13:04:15	D	10.60
344	TARN TARAN	CHOHLA SAHIB	AQUA	31.34000	75.06900	10/16/2021	14:29:56	D	51.20
345	TARN TARAN	CHOHLA SAHIB	AQUA	31.34100	75.06400	10/16/2021	14:29:56	D	51.60
346	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48260	74.68800	10/16/2021	13:04:15	D	9.50
347	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48360	74.69250	10/16/2021	13:04:15	D	20.80
348	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48440	74.65400	10/16/2021	13:04:15	D	4.80
349	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48860	74.65280	10/16/2021	13:04:15	D	4.80
350	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48960	74.70030	10/16/2021	13:04:15	D	13.40
351	TARN TARAN	GANDIWIND TATLA	S-NPP	31.50070	74.79640	10/16/2021	13:04:15	D	9.60
352	TARN TARAN	GANDIWIND TATLA	S-NPP	31.51460	74.71350	10/16/2021	13:04:15	D	2.60
353	TARN TARAN	GANDIWIND TATLA	S-NPP	31.51730	74.70670	10/16/2021	13:04:15	D	6.60
354	TARN TARAN	GANDIWIND TATLA	S-NPP	31.51780	74.70790	10/16/2021	13:04:15	D	10.30
355	TARN TARAN	GANDIWIND TATLA	S-NPP	31.52190	74.70670	10/16/2021	13:04:15	D	10.30
356	TARN TARAN	GANDIWIND TATLA	S-NPP	31.52500	74.76260	10/16/2021	13:04:15	D	3.20
357	TARN TARAN	GANDIWIND TATLA	S-NPP	31.52530	74.63910	10/16/2021	13:04:15	D	8.40
358	TARN TARAN	GANDIWIND TATLA	S-NPP	31.54390	74.79010	10/16/2021	13:04:15	D	3.90
359	TARN TARAN	GANDIWIND TATLA	S-NPP	31.55260	74.76890	10/16/2021	13:04:15	D	4.10

360	TARN TARAN	KHADUR SAHIB	S-NPP	31.39400	75.16530	10/16/2021	13:04:15	D	3.00
361	TARN TARAN	KHADUR SAHIB	S-NPP	31.40320	75.12680	10/16/2021	13:04:15	D	3.30
362	TARN TARAN	KHADUR SAHIB	S-NPP	31.43800	75.10810	10/16/2021	13:04:15	D	2.40
363	TARN TARAN	KHADUR SAHIB	S-NPP	31.44590	75.08330	10/16/2021	13:04:15	D	3.20
364	TARN TARAN	KHADUR SAHIB	S-NPP	31.46470	75.15480	10/16/2021	13:04:15	D	2.30
365	TARN TARAN	KHADUR SAHIB	S-NPP	31.46560	75.15910	10/16/2021	13:04:15	D	3.20
366	TARN TARAN	KHADUR SAHIB	S-NPP	31.46620	75.07760	10/16/2021	13:04:15	D	2.90
367	TARN TARAN	KHADUR SAHIB	S-NPP	31.46970	75.03110	10/16/2021	13:04:15	D	2.40
368	TARN TARAN	KHADUR SAHIB	S-NPP	31.47030	75.07650	10/16/2021	13:04:15	D	4.20
369	TARN TARAN	KHADUR SAHIB	S-NPP	31.48330	75.14070	10/16/2021	13:04:15	D	9.60
370	TARN TARAN	KHADUR SAHIB	S-NPP	31.48860	75.10310	10/16/2021	13:04:15	D	3.50
371	TARN TARAN	KHADUR SAHIB	S-NPP	31.49060	75.10320	10/16/2021	13:04:15	D	4.10
372	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.32940	74.96680	10/16/2021	13:04:15	D	8.60
373	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.35070	74.83280	10/16/2021	13:04:15	D	11.80
374	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.37040	75.03130	10/16/2021	13:04:15	D	4.40
375	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38370	74.99090	10/16/2021	13:04:15	D	1.40
376	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38550	74.95820	10/16/2021	13:04:15	D	5.50
377	TARN TARAN	PATTI	S-NPP	31.15990	74.75930	10/16/2021	13:04:15	D	4.40
378	TARN TARAN	PATTI	S-NPP	31.18030	74.72970	10/16/2021	13:04:15	D	2.80
379	TARN TARAN	PATTI	S-NPP	31.18370	74.72980	10/16/2021	13:04:15	D	4.70
380	TARN TARAN	PATTI	S-NPP	31.18790	74.72870	10/16/2021	13:04:15	D	4.70
381	TARN TARAN	PATTI	S-NPP	31.18860	74.72730	10/16/2021	13:04:15	D	4.20
382	TARN TARAN	PATTI	S-NPP	31.19510	74.80190	10/16/2021	13:04:15	D	10.00
383	TARN TARAN	PATTI	S-NPP	31.19600	74.80640	10/16/2021	13:04:15	D	6.00
384	TARN TARAN	PATTI	S-NPP	31.19690	74.81080	10/16/2021	13:04:15	D	6.00
385	TARN TARAN	PATTI	S-NPP	31.20560	74.83310	10/16/2021	13:04:15	D	3.00
386	TARN TARAN	PATTI	S-NPP	31.20570	74.83200	10/16/2021	13:04:15	D	3.00
387	TARN TARAN	PATTI	S-NPP	31.21790	74.91320	10/16/2021	13:04:15	D	3.80
388	TARN TARAN	PATTI	S-NPP	31.21830	74.93640	10/16/2021	13:04:15	D	3.00
389	TARN TARAN	PATTI	S-NPP	31.23300	74.92300	10/16/2021	13:04:15	D	4.20
390	TARN TARAN	PATTI	S-NPP	31.23350	74.92380	10/16/2021	13:04:15	D	4.10
391	TARN TARAN	PATTI	S-NPP	31.23500	74.80600	10/16/2021	13:04:15	D	6.60
392	TARN TARAN	PATTI	S-NPP	31.24720	74.71690	10/16/2021	13:04:15	D	4.20

393	TARN TARAN	PATTI	S-NPP	31.27660	74.87910	10/16/2021	13:04:15	D	5.90
394	TARN TARAN	PATTI	S-NPP	31.34300	74.90040	10/16/2021	13:04:15	D	11.00
395	TARN TARAN	TARN TARAN	S-NPP	31.38880	74.78450	10/16/2021	13:04:15	D	11.10
396	TARN TARAN	TARN TARAN	S-NPP	31.39340	74.80670	10/16/2021	13:04:15	D	4.70
397	TARN TARAN	TARN TARAN	S-NPP	31.40260	74.76640	10/16/2021	13:04:15	D	4.60
398	TARN TARAN	TARN TARAN	S-NPP	31.41410	74.80090	10/16/2021	13:04:15	D	6.10
399	TARN TARAN	TARN TARAN	S-NPP	31.43000	74.85750	10/16/2021	13:04:15	D	2.40
400	TARN TARAN	TARN TARAN	S-NPP	31.43260	75.01860	10/16/2021	13:04:15	D	3.90
401	TARN TARAN	TARN TARAN	S-NPP	31.43310	74.78720	10/16/2021	13:04:15	D	10.80
402	TARN TARAN	TARN TARAN	S-NPP	31.43350	75.02290	10/16/2021	13:04:15	D	6.40
403	TARN TARAN	TARN TARAN	S-NPP	31.43410	74.79160	10/16/2021	13:04:15	D	16.90
404	TARN TARAN	TARN TARAN	S-NPP	31.43730	74.78600	10/16/2021	13:04:15	D	10.80
405	TARN TARAN	TARN TARAN	S-NPP	31.44140	74.78490	10/16/2021	13:04:15	D	6.00
406	TARN TARAN	TARN TARAN	S-NPP	31.44970	74.95410	10/16/2021	13:04:15	D	6.90
407	TARN TARAN	TARN TARAN	S-NPP	31.45090	74.95460	10/16/2021	13:04:15	D	7.50
408	TARN TARAN	TARN TARAN	S-NPP	31.47540	74.78000	10/16/2021	13:04:15	D	9.60
409	TARN TARAN	TARN TARAN	S-NPP	31.47680	75.01620	10/16/2021	13:04:15	D	4.10
410	TARN TARAN	TARN TARAN	S-NPP	31.47770	75.02050	10/16/2021	13:04:15	D	7.10
411	TARN TARAN	TARN TARAN	S-NPP	31.48100	74.84880	10/16/2021	13:04:15	D	2.80
412	TARN TARAN	TARN TARAN	S-NPP	31.49260	75.03010	10/16/2021	13:04:15	D	8.60
413	TARN TARAN	TARN TARAN	S-NPP	31.49560	74.79320	10/16/2021	13:04:15	D	9.60
414	TARN TARAN	TARN TARAN	S-NPP	31.50490	75.02670	10/16/2021	13:04:15	D	2.40
415	TARN TARAN	TARN TARAN	S-NPP	31.50560	74.88380	10/16/2021	13:04:15	D	12.80
416	TARN TARAN	TARN TARAN	S-NPP	31.50890	75.02560	10/16/2021	13:04:15	D	3.50
417	TARN TARAN	TARN TARAN	S-NPP	31.51570	75.03730	10/16/2021	13:04:15	D	11.80
418	TARN TARAN	VALTOHA	S-NPP	31.14470	74.64330	10/16/2021	13:04:15	D	2.60
419	TARN TARAN	VALTOHA	S-NPP	31.19020	74.65600	10/16/2021	13:04:15	D	11.00
420	TARN TARAN	VALTOHA	S-NPP	31.19240	74.64570	10/16/2021	13:04:15	D	6.30
421	TARN TARAN	VALTOHA	S-NPP	31.19660	74.64450	10/16/2021	13:04:15	D	6.30
422	TARN TARAN	VALTOHA	S-NPP	31.23360	74.67280	10/16/2021	13:04:15	D	2.80
423	TARN TARAN	VALTOHA	S-NPP	31.27100	74.53890	10/16/2021	13:04:15	D	5.90
424	TARN TARAN	VALTOHA	S-NPP	31.27850	74.59530	10/16/2021	13:04:15	D	6.10
425	TARN TARAN	VALTOHA	S-NPP	31.27980	74.58030	10/16/2021	13:04:15	D	4.20

426	TARN TARAN	VALTOHA	S-NPP	31.28080	74.58490	10/16/2021	13:04:15	D	16.40
427	TARN TARAN	VALTOHA	S-NPP	31.28270	74.59410	10/16/2021	13:04:15	D	4.60
428	TARN TARAN	VALTOHA	S-NPP	31.28620	74.56880	10/16/2021	13:04:15	D	2.40
429	TARN TARAN	VALTOHA	S-NPP	31.29430	74.58600	10/16/2021	13:04:15	D	11.30

Details of residue burning events in Haryana on 16-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AMBALA	AMBALA-II	S-NPP	30.12480	76.61790	10/16/2021	13:04:15	D	15.30
2	AMBALA	AMBALA-II	S-NPP	30.13850	76.62620	10/16/2021	13:04:15	D	6.10
3	AMBALA	AMBALA-II	S-NPP	30.14450	76.63630	10/16/2021	13:04:15	D	2.10
4	AMBALA	AMBALA-II	S-NPP	30.15710	76.63900	10/16/2021	13:04:15	D	9.00
5	AMBALA	AMBALA-II	S-NPP	30.15820	76.64460	10/16/2021	13:04:15	D	9.00
6	AMBALA	AMBALA-II	S-NPP	30.15850	76.64230	10/16/2021	13:04:15	D	14.90
7	AMBALA	AMBALA-II	S-NPP	30.18910	76.67530	10/16/2021	13:04:15	D	10.50
8	AMBALA	AMBALA-II	S-NPP	30.27570	76.72870	10/16/2021	13:04:15	D	2.10
9	AMBALA	AMBALA-II	S-NPP	30.27630	76.72700	10/16/2021	13:04:15	D	6.40
10	AMBALA	BARARA	S-NPP	30.25470	77.09590	10/16/2021	13:04:15	D	3.40
11	AMBALA	NARAINGARH	S-NPP	30.44510	77.09070	10/16/2021	13:04:15	D	2.80
12	AMBALA	SAHA	S-NPP	30.26810	77.04260	10/16/2021	13:04:15	D	4.10
13	AMBALA	SAHA	S-NPP	30.29280	76.98610	10/16/2021	13:04:15	D	2.50
14	AMBALA	SHAHZADPUR	S-NPP	30.39890	77.07460	10/16/2021	13:04:15	D	7.50
15	AMBALA	SHAHZADPUR	S-NPP	30.44230	76.95550	10/16/2021	13:04:15	D	2.90
16	FATEHABAD	BHUNA	S-NPP	29.54120	75.80610	10/16/2021	13:04:15	D	4.00
17	FATEHABAD	BHUNA	S-NPP	29.54390	75.80610	10/16/2021	13:04:15	D	7.40
18	FATEHABAD	BHUNA	S-NPP	29.59220	75.72710	10/16/2021	13:04:15	D	1.60
19	FATEHABAD	BHUNA	S-NPP	29.60010	75.80900	10/16/2021	13:04:15	D	4.70
20	FATEHABAD	TOHANA	S-NPP	29.61840	75.87860	10/16/2021	13:04:15	D	5.50
21	FATEHABAD	TOHANA	S-NPP	29.65220	75.83480	10/16/2021	13:04:15	D	4.80
22	FATEHABAD	TOHANA	S-NPP	29.71350	75.85080	10/16/2021	13:04:15	D	4.40
23	FATEHABAD	TOHANA	S-NPP	29.73270	75.81950	10/16/2021	13:04:15	D	5.00

24	FATEHABAD	TOHANA	S-NPP	29.73350	75.82370	10/16/2021	13:04:15	D	7.70
25	HISAR	HANSI-I	S-NPP	29.19470	76.05180	10/16/2021	13:04:15	D	5.90
26	JIND	NARWANA	S-NPP	29.51380	76.03050	10/16/2021	13:04:15	D	11.40
27	JIND	NARWANA	S-NPP	29.52430	76.04060	10/16/2021	13:04:15	D	6.70
28	JIND	SAFIDON	S-NPP	29.41190	76.69950	10/16/2021	13:04:15	D	3.70
29	JIND	SAFIDON	S-NPP	29.45920	76.58600	10/16/2021	13:04:15	D	2.20
30	JIND	SAFIDON	S-NPP	29.45960	76.69340	10/16/2021	13:04:15	D	5.30
31	JIND	UCHANA	S-NPP	29.52770	76.09940	10/16/2021	13:04:15	D	4.90
32	JIND	UCHANA	S-NPP	29.56530	76.14050	10/16/2021	13:04:15	D	2.30
33	KAITHAL	GUHLA	S-NPP	29.94970	76.25600	10/16/2021	13:04:15	D	8.00
34	KAITHAL	GUHLA	S-NPP	29.95080	76.26190	10/16/2021	13:04:15	D	8.00
35	KAITHAL	GUHLA	S-NPP	30.04530	76.41810	10/16/2021	13:04:15	D	2.70
36	KAITHAL	GUHLA	S-NPP	30.04970	76.39890	10/16/2021	13:04:15	D	9.00
37	KAITHAL	GUHLA	S-NPP	30.07250	76.25090	10/16/2021	13:04:15	D	6.20
38	KAITHAL	GUHLA	S-NPP	30.07480	76.38030	10/16/2021	13:04:15	D	6.80
39	KAITHAL	GUHLA	S-NPP	30.09850	76.36010	10/16/2021	13:04:15	D	3.90
40	KAITHAL	GUHLA	S-NPP	30.10860	76.26610	10/16/2021	13:04:15	D	3.60
41	KAITHAL	KAITHAL	S-NPP	29.72360	76.47010	10/16/2021	13:04:15	D	5.20
42	KAITHAL	KAITHAL	S-NPP	29.73410	76.46140	10/16/2021	13:04:15	D	6.40
43	KAITHAL	KAITHAL	S-NPP	29.73530	76.46710	10/16/2021	13:04:15	D	6.40
44	KAITHAL	KAITHAL	S-NPP	29.73920	76.46610	10/16/2021	13:04:15	D	6.40
45	KAITHAL	KAITHAL	S-NPP	29.73980	76.49010	10/16/2021	13:04:15	D	3.10
46	KAITHAL	KAITHAL	S-NPP	29.77190	76.28850	10/16/2021	13:04:15	D	10.10
47	KAITHAL	KAITHAL	S-NPP	29.80210	76.46080	10/16/2021	13:04:15	D	3.70
48	KAITHAL	KAITHAL	S-NPP	29.83630	76.53030	10/16/2021	13:04:15	D	4.50
49	KAITHAL	KAITHAL	S-NPP	29.84070	76.51110	10/16/2021	13:04:15	D	5.30
50	KAITHAL	KAITHAL	S-NPP	29.86910	76.50990	10/16/2021	13:04:15	D	5.30
51	KAITHAL	KALAYAT	S-NPP	29.58890	76.30150	10/16/2021	13:04:15	D	3.80
52	KAITHAL	PUNDRI	S-NPP	29.69900	76.63420	10/16/2021	13:04:15	D	3.20
53	KAITHAL	PUNDRI	S-NPP	29.73220	76.61780	10/16/2021	13:04:15	D	3.30
54	KAITHAL	PUNDRI	S-NPP	29.83750	76.61920	10/16/2021	13:04:15	D	6.80
55	KAITHAL	PUNDRI	S-NPP	29.83810	76.68390	10/16/2021	13:04:15	D	3.20
56	KAITHAL	PUNDRI	S-NPP	29.83850	76.68520	10/16/2021	13:04:15	D	3.10

57	KAITHAL	PUNDRI	S-NPP	29.83910	76.56540	10/16/2021	13:04:15	D	8.60
58	KAITHAL	PUNDRI	S-NPP	29.88950	76.55250	10/16/2021	13:04:15	D	6.20
59	KAITHAL	PUNDRI	S-NPP	29.89010	76.57620	10/16/2021	13:04:15	D	19.50
60	KAITHAL	PUNDRI	S-NPP	29.89450	76.55720	10/16/2021	13:04:15	D	5.90
61	KAITHAL	PUNDRI	S-NPP	29.89550	76.60440	10/16/2021	13:04:15	D	7.80
62	KAITHAL	PUNDRI	S-NPP	29.89780	76.57420	10/16/2021	13:04:15	D	6.80
63	KAITHAL	RAJOUND	S-NPP	29.58850	76.54880	10/16/2021	13:04:15	D	9.60
64	KAITHAL	RAJOUND	S-NPP	29.64360	76.51670	10/16/2021	13:04:15	D	2.90
65	KAITHAL	SIWAN	S-NPP	29.88280	76.27330	10/16/2021	13:04:15	D	3.80
66	KAITHAL	SIWAN	S-NPP	29.88520	76.38900	10/16/2021	13:04:15	D	2.40
67	KAITHAL	SIWAN	S-NPP	29.88690	76.39060	10/16/2021	13:04:15	D	1.80
68	KAITHAL	SIWAN	S-NPP	29.88740	76.23400	10/16/2021	13:04:15	D	2.50
69	KAITHAL	SIWAN	S-NPP	29.88900	76.20050	10/16/2021	13:04:15	D	9.40
70	KAITHAL	SIWAN	S-NPP	29.88980	76.20440	10/16/2021	13:04:15	D	9.40
71	KAITHAL	SIWAN	S-NPP	29.89460	76.20740	10/16/2021	13:04:15	D	7.70
72	KAITHAL	SIWAN	S-NPP	29.90310	76.25060	10/16/2021	13:04:15	D	6.40
73	KAITHAL	SIWAN	S-NPP	29.90370	76.37820	10/16/2021	13:04:15	D	2.80
74	KAITHAL	SIWAN	S-NPP	29.91540	76.27110	10/16/2021	13:04:15	D	5.20
75	KAITHAL	SIWAN	S-NPP	29.91840	76.30720	10/16/2021	13:04:15	D	2.60
76	KAITHAL	SIWAN	S-NPP	29.94580	76.21480	10/16/2021	13:04:15	D	16.30
77	KAITHAL	SIWAN	S-NPP	29.96410	76.39300	10/16/2021	13:04:15	D	3.90
78	KAITHAL	SIWAN	S-NPP	29.96690	76.38620	10/16/2021	13:04:15	D	3.90
79	KARNAL	ASSANDH	S-NPP	29.50950	76.53490	10/16/2021	13:04:15	D	5.50
80	KARNAL	ASSANDH	S-NPP	29.53080	76.64340	10/16/2021	13:04:15	D	6.90
81	KARNAL	ASSANDH	S-NPP	29.55470	76.57760	10/16/2021	13:04:15	D	6.10
82	KARNAL	ASSANDH	S-NPP	29.55690	76.63080	10/16/2021	13:04:15	D	6.60
83	KARNAL	ASSANDH	S-NPP	29.55750	76.57080	10/16/2021	13:04:15	D	6.10
84	KARNAL	ASSANDH	S-NPP	29.56300	76.59940	10/16/2021	13:04:15	D	6.20
85	KARNAL	ASSANDH	S-NPP	29.56340	76.70630	10/16/2021	13:04:15	D	4.60
86	KARNAL	ASSANDH	S-NPP	29.58110	76.71370	10/16/2021	13:04:15	D	10.00
87	KARNAL	ASSANDH	S-NPP	29.59040	76.55050	10/16/2021	13:04:15	D	19.30
88	KARNAL	ASSANDH	S-NPP	29.60880	76.79470	10/16/2021	13:04:15	D	8.20
89	KARNAL	ASSANDH	S-NPP	29.60980	76.61520	10/16/2021	13:04:15	D	2.60

90	KARNAL	ASSANDH	S-NPP	29.62200	76.59420	10/16/2021	13:04:15	D	4.40
91	KARNAL	ASSANDH	S-NPP	29.62920	76.61030	10/16/2021	13:04:15	D	2.70
92	KARNAL	CHIRAO	S-NPP	29.58890	76.81720	10/16/2021	13:04:15	D	5.40
93	KARNAL	CHIRAO	S-NPP	29.60710	76.80680	10/16/2021	13:04:15	D	3.10
94	KARNAL	CHIRAO	S-NPP	29.61670	76.85670	10/16/2021	13:04:15	D	4.50
95	KARNAL	CHIRAO	S-NPP	29.62330	76.84920	10/16/2021	13:04:15	D	3.70
96	KARNAL	CHIRAO	S-NPP	29.62540	76.69430	10/16/2021	13:04:15	D	2.70
97	KARNAL	CHIRAO	S-NPP	29.63480	76.72140	10/16/2021	13:04:15	D	8.40
98	KARNAL	CHIRAO	S-NPP	29.63580	76.80890	10/16/2021	13:04:15	D	4.60
99	KARNAL	CHIRAO	S-NPP	29.63620	76.81110	10/16/2021	13:04:15	D	3.10
100	KARNAL	CHIRAO	S-NPP	29.63680	76.79340	10/16/2021	13:04:15	D	11.80
101	KARNAL	CHIRAO	S-NPP	29.63750	76.79680	10/16/2021	13:04:15	D	19.80
102	KARNAL	CHIRAO	S-NPP	29.66840	76.70700	10/16/2021	13:04:15	D	6.00
103	KARNAL	CHIRAO	S-NPP	29.67440	76.75830	10/16/2021	13:04:15	D	4.80
104	KARNAL	CHIRAO	S-NPP	29.68380	76.74420	10/16/2021	13:04:15	D	7.10
105	KARNAL	CHIRAO	S-NPP	29.69130	76.78330	10/16/2021	13:04:15	D	4.60
106	KARNAL	CHIRAO	S-NPP	29.70350	76.86720	10/16/2021	13:04:15	D	12.50
107	KARNAL	CHIRAO	S-NPP	29.70490	76.68600	10/16/2021	13:04:15	D	2.30
108	KARNAL	CHIRAO	S-NPP	29.71180	76.74300	10/16/2021	13:04:15	D	2.80
109	KARNAL	CHIRAO	S-NPP	29.71390	76.85880	10/16/2021	13:04:15	D	4.00
110	KARNAL	GHARAUNDA	S-NPP	29.50620	76.95600	10/16/2021	13:04:15	D	7.70
111	KARNAL	GHARAUNDA	S-NPP	29.53020	77.01860	10/16/2021	13:04:15	D	3.60
112	KARNAL	GHARAUNDA	S-NPP	29.53060	77.04130	10/16/2021	13:04:15	D	9.20
113	KARNAL	GHARAUNDA	S-NPP	29.57790	77.04970	10/16/2021	13:04:15	D	4.10
114	KARNAL	GHARAUNDA	S-NPP	29.61760	77.02850	10/16/2021	13:04:15	D	10.60
115	KARNAL	KARNAL	S-NPP	29.79940	77.02360	10/16/2021	13:04:15	D	9.70
116	KARNAL	NILOKHERI	S-NPP	29.75980	76.90250	10/16/2021	13:04:15	D	6.00
117	KARNAL	NILOKHERI	S-NPP	29.76160	76.96160	10/16/2021	13:04:15	D	5.20
118	KARNAL	NILOKHERI	S-NPP	29.80540	76.72300	10/16/2021	13:04:15	D	3.90
119	KARNAL	NILOKHERI	S-NPP	29.80970	76.84980	10/16/2021	13:04:15	D	4.20
120	KARNAL	NILOKHERI	S-NPP	29.81160	76.90100	10/16/2021	13:04:15	D	3.90
121	KARNAL	NILOKHERI	S-NPP	29.82220	76.85240	10/16/2021	13:04:15	D	3.40
122	KARNAL	NILOKHERI	S-NPP	29.82430	76.86330	10/16/2021	13:04:15	D	5.70

123	KARNAL	NILOKHERI	S-NPP	29.82540	76.86880	10/16/2021	13:04:15	D	5.70
124	KARNAL	NILOKHERI	S-NPP	29.84240	76.91620	10/16/2021	13:04:15	D	4.30
125	KARNAL	NILOKHERI	S-NPP	29.87510	76.83170	10/16/2021	13:04:15	D	2.60
126	KURUKSHETRA	BABAIN	S-NPP	30.06500	77.02040	10/16/2021	13:04:15	D	4.60
127	KURUKSHETRA	BABAIN	S-NPP	30.09210	76.99670	10/16/2021	13:04:15	D	5.80
128	KURUKSHETRA	ISMAILABAD	S-NPP	30.05770	76.68770	10/16/2021	13:04:15	D	6.60
129	KURUKSHETRA	ISMAILABAD	S-NPP	30.05790	76.69020	10/16/2021	13:04:15	D	6.90
130	KURUKSHETRA	ISMAILABAD	S-NPP	30.06500	76.76970	10/16/2021	13:04:15	D	2.00
131	KURUKSHETRA	ISMAILABAD	S-NPP	30.06630	76.77260	10/16/2021	13:04:15	D	3.40
132	KURUKSHETRA	ISMAILABAD	S-NPP	30.11360	76.68520	10/16/2021	13:04:15	D	4.90
133	KURUKSHETRA	ISMAILABAD	S-NPP	30.14590	76.63970	10/16/2021	13:04:15	D	4.10
134	KURUKSHETRA	ISMAILABAD	S-NPP	30.16810	76.71780	10/16/2021	13:04:15	D	5.60
135	KURUKSHETRA	ISMAILABAD	S-NPP	30.18180	76.78140	10/16/2021	13:04:15	D	4.10
136	KURUKSHETRA	PEHOWA	S-NPP	29.93220	76.64600	10/16/2021	13:04:15	D	8.80
137	KURUKSHETRA	PEHOWA	S-NPP	29.93790	76.63500	10/16/2021	13:04:15	D	2.20
138	KURUKSHETRA	PEHOWA	S-NPP	29.93880	76.63840	10/16/2021	13:04:15	D	7.80
139	KURUKSHETRA	PEHOWA	S-NPP	29.97670	76.68740	10/16/2021	13:04:15	D	4.70
140	KURUKSHETRA	PEHOWA	S-NPP	29.98110	76.70970	10/16/2021	13:04:15	D	4.30
141	KURUKSHETRA	PEHOWA	S-NPP	30.06160	76.60470	10/16/2021	13:04:15	D	3.20
142	KURUKSHETRA	PEHOWA	S-NPP	30.07150	76.57260	10/16/2021	13:04:15	D	4.30
143	KURUKSHETRA	PEHOWA	S-NPP	30.09040	76.50240	10/16/2021	13:04:15	D	3.20
144	KURUKSHETRA	SHAHBAD	S-NPP	30.19540	76.94550	10/16/2021	13:04:15	D	2.70
145	KURUKSHETRA	THANESAR	S-NPP	29.88470	76.73650	10/16/2021	13:04:15	D	5.80
146	KURUKSHETRA	THANESAR	S-NPP	29.88860	76.73550	10/16/2021	13:04:15	D	6.40
147	KURUKSHETRA	THANESAR	S-NPP	29.89350	76.74010	10/16/2021	13:04:15	D	6.40
148	KURUKSHETRA	THANESAR	S-NPP	29.89700	76.82040	10/16/2021	13:04:15	D	35.80
149	KURUKSHETRA	THANESAR	S-NPP	29.91140	76.77040	10/16/2021	13:04:15	D	9.90
150	KURUKSHETRA	THANESAR	S-NPP	29.91460	76.89070	10/16/2021	13:04:15	D	6.90
151	KURUKSHETRA	THANESAR	S-NPP	29.97450	76.93260	10/16/2021	13:04:15	D	11.80
152	KURUKSHETRA	THANESAR	S-NPP	29.98850	76.78910	10/16/2021	13:04:15	D	3.40
153	KURUKSHETRA	THANESAR	S-NPP	29.99420	76.73550	10/16/2021	13:04:15	D	6.90
154	KURUKSHETRA	THANESAR	S-NPP	30.00350	76.72150	10/16/2021	13:04:15	D	7.10
155	KURUKSHETRA	THANESAR	S-NPP	30.01290	76.81180	10/16/2021	13:04:15	D	5.50

156	KURUKSHETRA	THANESAR	S-NPP	30.01610	76.72410	10/16/2021	13:04:15	D	3.90
157	KURUKSHETRA	THANESAR	S-NPP	30.04970	76.77360	10/16/2021	13:04:15	D	11.40
158	KURUKSHETRA	THANESAR	S-NPP	30.08750	76.86750	10/16/2021	13:04:15	D	2.10
159	PALWAL	HASSANPUR	S-NPP	27.92760	77.50040	10/16/2021	13:04:15	D	6.10
160	PALWAL	HASSANPUR	S-NPP	28.03220	77.51850	10/16/2021	13:04:15	D	4.90
161	PALWAL	PALWAL	S-NPP	28.09550	77.31990	10/16/2021	13:04:15	D	4.10
162	PALWAL	PALWAL	S-NPP	28.17820	77.54230	10/16/2021	13:04:15	D	4.40
163	SONIPAT	MUNDLANA	S-NPP	29.19000	76.57870	10/16/2021	13:04:15	D	2.80
164	YAMUNANAGAR	BILASPUR	S-NPP	30.27370	77.25840	10/16/2021	13:04:15	D	3.50
165	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.23620	77.34900	10/16/2021	13:04:15	D	2.30
166	YAMUNANAGAR	CHHACHHRAULI	S-NPP	30.28960	77.46950	10/16/2021	13:04:15	D	7.90
167	YAMUNANAGAR	JAGADHRI	S-NPP	30.12240	77.38530	10/16/2021	13:04:15	D	7.60
168	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.20700	77.21500	10/16/2021	13:04:15	D	3.60
169	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.22370	77.19990	10/16/2021	13:04:15	D	5.60
170	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.25120	77.17950	10/16/2021	13:04:15	D	6.00
171	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.25160	77.18190	10/16/2021	13:04:15	D	7.00
172	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.26710	77.18100	10/16/2021	13:04:15	D	3.40
173	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.26810	77.18620	10/16/2021	13:04:15	D	3.40
174	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.27080	77.24280	10/16/2021	13:04:15	D	6.00
175	YAMUNANAGAR	RADAUR	S-NPP	30.10300	77.11700	10/16/2021	13:04:15	D	4.50
176	YAMUNANAGAR	RADAUR	S-NPP	30.12050	77.16790	10/16/2021	13:04:15	D	2.90

Details of residue burning events in Uttar Pradesh on 16-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	KHAIR	S-NPP	27.94810	77.77050	10/16/2021	01:54:15	N	1.10
2	ALIGARH	KHAIR	S-NPP	27.95160	77.77110	10/16/2021	01:54:15	N	1.10
3	ALIGARH	KHAIR	S-NPP	27.95220	77.76670	10/16/2021	01:54:15	N	1.10
4	ALIGARH	KHAIR	S-NPP	27.99590	77.86670	10/16/2021	01:54:15	N	1.10
5	ALIGARH	KHAIR	S-NPP	28.03120	77.52050	10/16/2021	13:04:15	D	2.30
6	ALIGARH	KHAIR	S-NPP	28.03220	77.51850	10/16/2021	13:04:15	D	4.90
7	ALIGARH	KHAIR	S-NPP	28.03300	77.63680	10/16/2021	13:04:15	D	7.40
8	ALIGARH	KHAIR	S-NPP	28.06100	77.60620	10/16/2021	13:04:15	D	1.00
9	AURAIYA	AURAIYA	S-NPP	26.57470	79.41290	10/16/2021	13:04:15	D	2.40
10	AURAIYA	BIDHUNA	S-NPP	26.75740	79.46510	10/16/2021	13:04:15	D	2.40
11	AURAIYA	BIDHUNA	S-NPP	26.76950	79.42970	10/16/2021	13:04:15	D	2.90
12	BALRAMPUR	TULSIPUR	S-NPP	27.52850	82.61300	10/16/2021	01:54:15	N	0.80
13	BARABANKI	FATEHPUR	S-NPP	27.10340	81.24710	10/16/2021	13:04:15	D	10.10
14	BARABANKI	FATEHPUR	S-NPP	27.17420	81.24940	10/16/2021	13:04:15	D	3.10
15	BARABANKI	FATEHPUR	S-NPP	27.21170	81.22540	10/16/2021	13:04:15	D	3.30
16	BARABANKI	FATEHPUR	S-NPP	27.31620	81.24210	10/16/2021	13:04:15	D	2.00
17	BARABANKI	NAWABGANJ	S-NPP	26.86280	81.20890	10/16/2021	13:04:15	D	1.30
18	BARABANKI	NAWABGANJ	S-NPP	26.94350	81.20920	10/16/2021	13:04:15	D	9.70
19	BARABANKI	NAWABGANJ	S-NPP	26.95880	81.23900	10/16/2021	13:04:15	D	2.50
20	BARABANKI	RAMNAGAR	S-NPP	27.06390	81.27970	10/16/2021	13:04:15	D	2.80
21	BARABANKI	RAMNAGAR	S-NPP	27.08240	81.30870	10/16/2021	13:04:15	D	4.70
22	BARABANKI	RAMNAGAR	S-NPP	27.08510	81.30410	10/16/2021	13:04:15	D	6.00
23	BARABANKI	RAMNAGAR	S-NPP	27.11960	81.32580	10/16/2021	13:04:15	D	3.30
24	BARABANKI	RAMNAGAR	S-NPP	27.16130	81.28460	10/16/2021	13:04:15	D	2.70
25	BARABANKI	RAMNAGAR	S-NPP	27.16260	81.28450	10/16/2021	13:04:15	D	3.50
26	BAREILLY	BAHERI	S-NPP	28.82730	79.48920	10/16/2021	13:04:15	D	3.00
27	BAREILLY	BAHERI	S-NPP	28.84570	79.61540	10/16/2021	13:04:15	D	2.50
28	BAREILLY	FARIDPUR	S-NPP	28.21920	79.64790	10/16/2021	13:04:15	D	2.10
29	BAREILLY	MIRGANJ	S-NPP	28.60680	79.24770	10/16/2021	13:04:15	D	2.50

30	BIJNOR	NAJIBABAD	S-NPP	29.68290	78.32690	10/16/2021	13:04:15	D	7.60
31	ETAWAH	SAIFAI	S-NPP	26.92700	79.03120	10/16/2021	13:04:15	D	2.10
32	HAPUR	GARHMUKTESAR	S-NPP	28.84980	78.00750	10/16/2021	13:04:15	D	3.00
33	JHANSI	GARAUTHA	S-NPP	25.39960	79.22290	10/16/2021	01:54:15	N	0.60
34	KANNAUJ	CHHIBRAMAU	S-NPP	26.94360	79.34120	10/16/2021	13:04:15	D	3.30
35	KANPUR	BILHAUR	S-NPP	26.72090	80.04490	10/16/2021	13:04:15	D	4.40
36	KANPUR	BILHAUR	S-NPP	26.72440	80.04420	10/16/2021	13:04:15	D	4.40
37	KANPUR	BILHAUR	S-NPP	26.72510	80.04850	10/16/2021	13:04:15	D	4.40
38	KANPUR	BILHAUR	S-NPP	26.72590	80.05280	10/16/2021	13:04:15	D	5.70
39	KANPUR	BILHAUR	S-NPP	26.76500	80.06740	10/16/2021	13:04:15	D	4.90
40	KANPUR	BILHAUR	S-NPP	26.76650	80.07600	10/16/2021	13:04:15	D	5.30
41	KAUSHAMBI	SIRATHU	S-NPP	25.71670	81.25360	10/16/2021	13:04:15	D	1.20
42	KHERI	GOLA	S-NPP	28.08800	80.58680	10/16/2021	13:04:15	D	2.70
43	KHERI	GOLA	S-NPP	28.16290	80.42790	10/16/2021	13:04:15	D	2.90
44	KHERI	GOLA	S-NPP	28.22310	80.30460	10/16/2021	13:04:15	D	2.90
45	KHERI	LAKHIMPUR	S-NPP	28.05310	80.71200	10/16/2021	13:04:15	D	7.90
46	KHERI	MOHMADI	S-NPP	27.78540	80.07860	10/16/2021	13:04:15	D	2.90
47	KHERI	MOHMADI	S-NPP	27.89090	80.26940	10/16/2021	13:04:15	D	2.70
48	KHERI	MOHMADI	S-NPP	27.93380	80.27320	10/16/2021	13:04:15	D	4.30
49	KHERI	MOHMADI	S-NPP	27.93630	80.12490	10/16/2021	01:54:15	N	0.70
50	KHERI	MOHMADI	S-NPP	27.96900	80.17140	10/16/2021	13:04:15	D	3.20
51	KHERI	MOHMADI	S-NPP	27.99720	80.31650	10/16/2021	13:04:15	D	1.50
52	KHERI	MOHMADI	S-NPP	28.10330	80.28220	10/16/2021	13:04:15	D	2.60
53	KHERI	PALIA KALAN	S-NPP	28.30960	80.50790	10/16/2021	13:04:15	D	2.20
54	KHERI	PALIA KALAN	S-NPP	28.55470	80.71810	10/16/2021	13:04:15	D	1.80
55	MAINPURI	BHOGAON	S-NPP	27.04910	79.25060	10/16/2021	13:04:15	D	3.90
56	MATHURA	CHHATA	S-NPP	27.59060	77.47530	10/16/2021	13:04:15	D	39.50
57	MATHURA	CHHATA	S-NPP	27.82080	77.55650	10/16/2021	13:04:15	D	6.80
58	MATHURA	MAT	S-NPP	27.89390	77.60590	10/16/2021	13:04:15	D	2.70
59	MEERUT	MAWANA	S-NPP	28.92650	78.01760	10/16/2021	13:04:15	D	9.20
60	MEERUT	MAWANA	S-NPP	29.21500	78.04690	10/16/2021	13:04:15	D	5.00
61	PILHIBHIT	BISALPUR	S-NPP	28.25750	79.97250	10/16/2021	13:04:15	D	3.40
62	PILHIBHIT	BISALPUR	S-NPP	28.28490	79.96660	10/16/2021	13:04:15	D	6.90

63	PILHIBHIT	PURANPUR	S-NPP	28.33730	80.25490	10/16/2021	13:04:15	D	4.70
64	PILHIBHIT	PURANPUR	S-NPP	28.34910	80.15750	10/16/2021	13:04:15	D	3.10
65	PILHIBHIT	PURANPUR	S-NPP	28.35260	80.17830	10/16/2021	13:04:15	D	36.50
66	PILHIBHIT	PURANPUR	S-NPP	28.35320	80.16090	10/16/2021	13:04:15	D	3.10
67	PILHIBHIT	PURANPUR	S-NPP	28.35660	80.16020	10/16/2021	13:04:15	D	3.30
68	PILHIBHIT	PURANPUR	S-NPP	28.37750	80.11670	10/16/2021	13:04:15	D	2.60
69	PILHIBHIT	PURANPUR	S-NPP	28.38860	80.16200	10/16/2021	13:04:15	D	3.10
70	PILHIBHIT	PURANPUR	S-NPP	28.38860	80.16270	10/16/2021	13:04:15	D	3.70
71	PILHIBHIT	PURANPUR	S-NPP	28.39270	80.16610	10/16/2021	13:04:15	D	6.00
72	PILHIBHIT	PURANPUR	S-NPP	28.40190	80.22020	10/16/2021	13:04:15	D	4.60
73	PILHIBHIT	PURANPUR	S-NPP	28.43960	80.24300	10/16/2021	01:54:15	N	0.60
74	PILHIBHIT	PURANPUR	S-NPP	28.48480	80.06950	10/16/2021	13:04:15	D	5.50
75	PILHIBHIT	PURANPUR	S-NPP	28.48540	80.05200	10/16/2021	13:04:15	D	2.30
76	PILHIBHIT	PURANPUR	S-NPP	28.48820	80.06880	10/16/2021	13:04:15	D	2.30
77	PILHIBHIT	PURANPUR	S-NPP	28.49830	80.20820	10/16/2021	13:04:15	D	7.60
78	PILHIBHIT	PURANPUR	S-NPP	28.50570	80.21090	10/16/2021	13:04:15	D	3.20
79	PILHIBHIT	PURANPUR	S-NPP	28.51050	80.03350	10/16/2021	13:04:15	D	4.60
80	PILHIBHIT	PURANPUR	S-NPP	28.51320	80.02860	10/16/2021	13:04:15	D	4.60
81	PILHIBHIT	PURANPUR	S-NPP	28.51650	80.21410	10/16/2021	13:04:15	D	5.20
82	PILHIBHIT	PURANPUR	S-NPP	28.52510	80.07820	10/16/2021	13:04:15	D	2.20
83	PILHIBHIT	PURANPUR	S-NPP	28.52630	80.04320	10/16/2021	13:04:15	D	4.40
84	PILHIBHIT	PURANPUR	S-NPP	28.52850	80.07750	10/16/2021	13:04:15	D	2.20
85	PILHIBHIT	PURANPUR	S-NPP	28.63250	80.15100	10/16/2021	13:04:15	D	7.00
86	RAMPUR	BILASPUR	S-NPP	28.84290	79.28990	10/16/2021	13:04:15	D	3.30
87	RAMPUR	MILAK	S-NPP	28.77910	79.13330	10/16/2021	13:04:15	D	1.40
88	RAMPUR	SUAR	S-NPP	29.08110	79.13710	10/16/2021	13:04:15	D	2.80
89	SAMBHAL	SAMBHAL	S-NPP	28.65210	78.53270	10/16/2021	13:04:15	D	1.20
90	SHAHJAHANPUR	JALALABAD	S-NPP	27.60600	79.68950	10/16/2021	13:04:15	D	2.80
91	SHAHJAHANPUR	JALALABAD	S-NPP	27.60940	79.68880	10/16/2021	13:04:15	D	4.20
92	SHAHJAHANPUR	JALALABAD	S-NPP	27.69070	79.69480	10/16/2021	13:04:15	D	2.20
93	SHAHJAHANPUR	PUWANYA	S-NPP	28.03300	80.09040	10/16/2021	01:54:15	N	1.00
94	SHAHJAHANPUR	PUWANYA	S-NPP	28.06210	79.97820	10/16/2021	13:04:15	D	2.00
95	SHAHJAHANPUR	PUWANYA	S-NPP	28.07260	79.99790	10/16/2021	13:04:15	D	6.30

96	SHAHJAHANPUR	PUWANYA	S-NPP	28.07690	79.93980	10/16/2021	13:04:15	D	2.00
97	SHAHJAHANPUR	PUWANYA	S-NPP	28.08900	80.17740	10/16/2021	13:04:15	D	3.10
98	SHAHJAHANPUR	PUWANYA	S-NPP	28.09170	80.17250	10/16/2021	13:04:15	D	3.80
99	SHAHJAHANPUR	PUWANYA	S-NPP	28.09860	80.17100	10/16/2021	13:04:15	D	9.80
100	SHAHJAHANPUR	PUWANYA	S-NPP	28.10210	80.19190	10/16/2021	13:04:15	D	3.60
101	SHAHJAHANPUR	PUWANYA	S-NPP	28.12800	80.19930	10/16/2021	13:04:15	D	1.80
102	SHAHJAHANPUR	PUWANYA	S-NPP	28.13780	80.23610	10/16/2021	13:04:15	D	2.10
103	SHAHJAHANPUR	PUWANYA	S-NPP	28.17200	80.08650	10/16/2021	13:04:15	D	3.80
104	SHAHJAHANPUR	PUWANYA	S-NPP	28.19730	80.29720	10/16/2021	13:04:15	D	3.50
105	SHAHJAHANPUR	PUWANYA	S-NPP	28.22920	80.17400	10/16/2021	13:04:15	D	5.60
106	SHAHJAHANPUR	PUWANYA	S-NPP	28.23260	80.29830	10/16/2021	13:04:15	D	6.20
107	SHAHJAHANPUR	PUWANYA	S-NPP	28.23600	80.29760	10/16/2021	13:04:15	D	4.10
108	SHAHJAHANPUR	PUWANYA	S-NPP	28.26930	80.30760	10/16/2021	13:04:15	D	3.60
109	SHAHJAHANPUR	PUWANYA	S-NPP	28.28030	80.16790	10/16/2021	13:04:15	D	16.40
110	SHAHJAHANPUR	PUWANYA	S-NPP	28.28100	80.16720	10/16/2021	13:04:15	D	28.80
111	SHAHJAHANPUR	PUWANYA	S-NPP	28.28380	80.16720	10/16/2021	13:04:15	D	16.40
112	SHAHJAHANPUR	PUWANYA	S-NPP	28.30290	80.17610	10/16/2021	13:04:15	D	4.80
113	SHAHJAHANPUR	PUWANYA	S-NPP	28.30600	80.13210	10/16/2021	13:04:15	D	3.90
114	SHAHJAHANPUR	PUWANYA	S-NPP	28.31340	80.21700	10/16/2021	13:04:15	D	3.20
115	SHAHJAHANPUR	PUWANYA	S-NPP	28.31730	80.19890	10/16/2021	13:04:15	D	2.70
116	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.95820	79.81780	10/16/2021	13:04:15	D	4.70
117	SHAHJAHANPUR	TILHAR	S-NPP	28.00630	79.86960	10/16/2021	13:04:15	D	6.90
118	SHAMLI	KAIRANA	S-NPP	29.66100	77.21410	10/16/2021	13:04:15	D	3.10
119	SHARANPUR	SHARANPUR	S-NPP	29.91330	77.53780	10/16/2021	13:04:15	D	2.10
120	SHARANPUR	SHARANPUR	S-NPP	29.98740	77.49640	10/16/2021	13:04:15	D	6.60
121	SITAPUR	MAHMUDABAD	S-NPP	27.28520	81.17860	10/16/2021	13:04:15	D	3.10

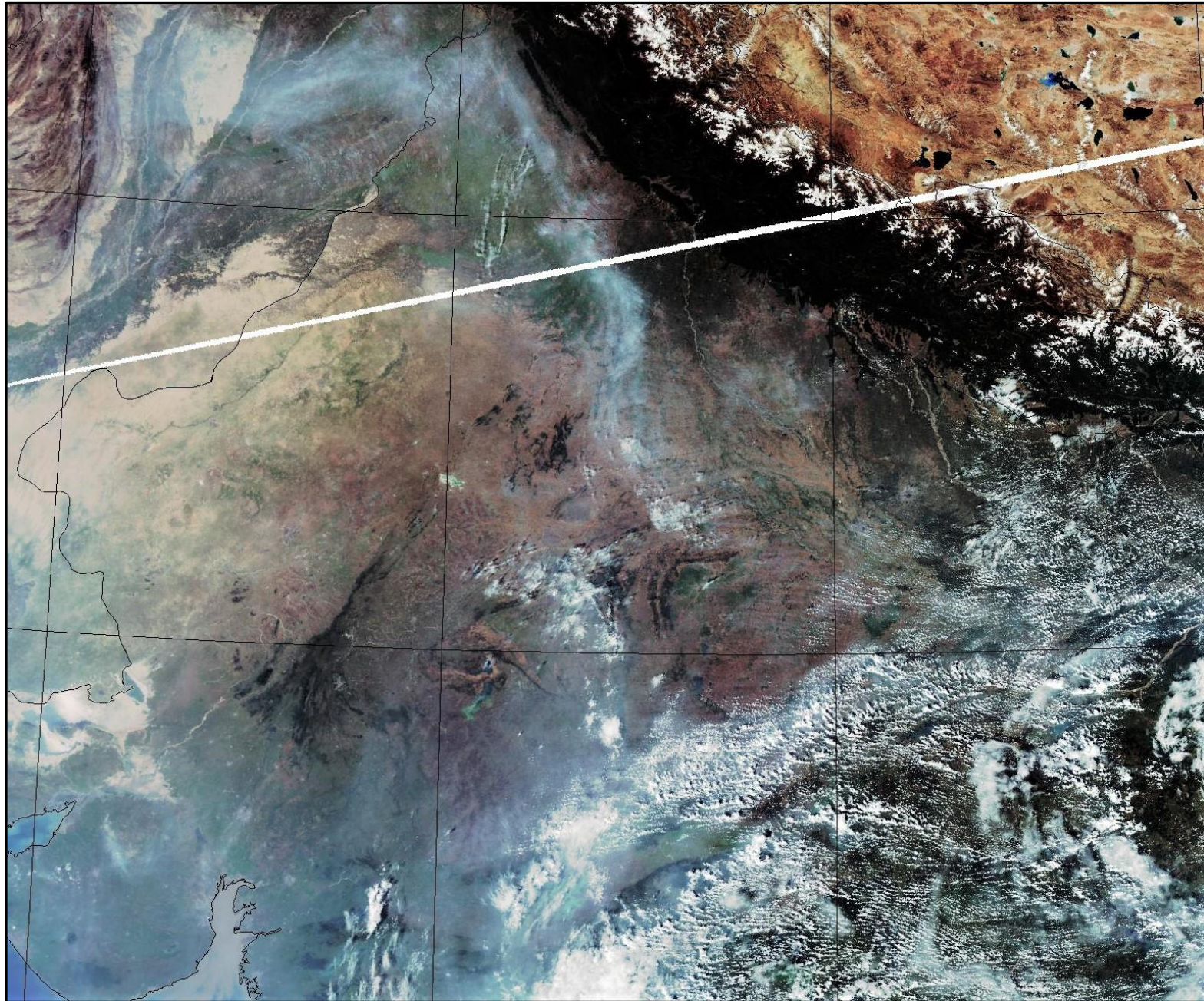
Details of residue burning events in Rajasthan on 16-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	HANUMANGARH	HANUMANGARH	S-NPP	29.56070	74.25290	10/16/2021	13:04:15	D	2.40
2	HANUMANGARH	SANGHRIYA	S-NPP	29.63880	74.43600	10/16/2021	13:04:15	D	6.60

Details of residue burning events in Madhya Pradesh on 16-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	DATIA	SEONDHA	S-NPP	25.83330	78.58540	10/16/2021	13:04:15	D	5.80
2	HARDA	TIMURNI	S-NPP	22.30990	77.19410	10/16/2021	13:04:15	D	3.60
3	HOSHANGABAD	BABAI	S-NPP	22.67150	78.07320	10/16/2021	13:04:15	D	3.40
4	HOSHANGABAD	BABAI	S-NPP	22.67430	78.07240	10/16/2021	13:04:15	D	4.90
5	HOSHANGABAD	ITARSI	S-NPP	22.52830	77.63720	10/16/2021	13:04:15	D	3.60
6	HOSHANGABAD	SEONI MALWA	S-NPP	22.41700	77.44480	10/16/2021	13:04:15	D	3.40
7	JABALPUR	SAHPURA	S-NPP	23.05810	79.77320	10/16/2021	13:04:15	D	3.50
8	NARSHIMAPURA	GOTECAON	S-NPP	22.90510	79.52450	10/16/2021	13:04:15	D	4.90
9	NARSHIMAPURA	GOTECAON	S-NPP	22.95130	79.36250	10/16/2021	01:54:15	N	0.70
10	SAGAR	DEVRI	S-NPP	23.49390	79.03760	10/16/2021	13:04:15	D	3.10
11	SATNA	RAGURAJNAGAR	S-NPP	24.68670	80.80800	10/16/2021	13:04:15	D	2.80
12	SATNA	RAMPURBAGHLEAN	S-NPP	24.59850	81.14370	10/16/2021	13:04:15	D	2.60
13	SEONI	SEONI	S-NPP	22.30510	79.66700	10/16/2021	13:04:15	D	2.20

SNPP (VIIRS) Satellite image (TCC) of North and Central India Acquired on 16-Oct-2021 at 13:01:10 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)
