

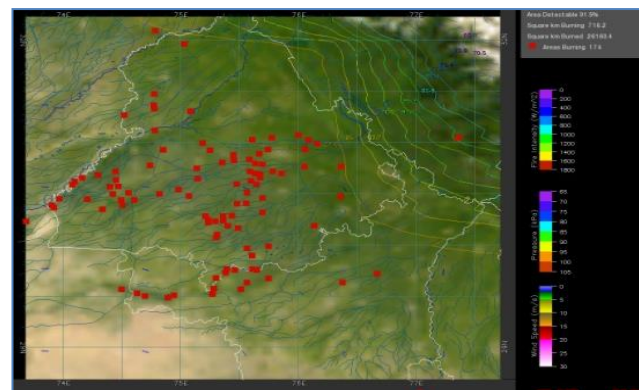
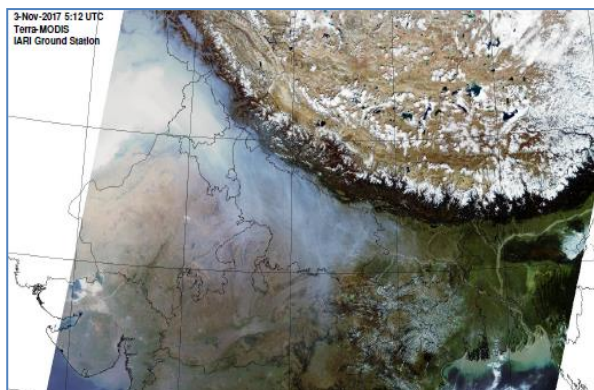


MONITORING WHEAT RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023

**Bulletin
No. 12**

**Events Date:
12-Apr-2023**

**Issued on:
12-Apr-2023**



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**

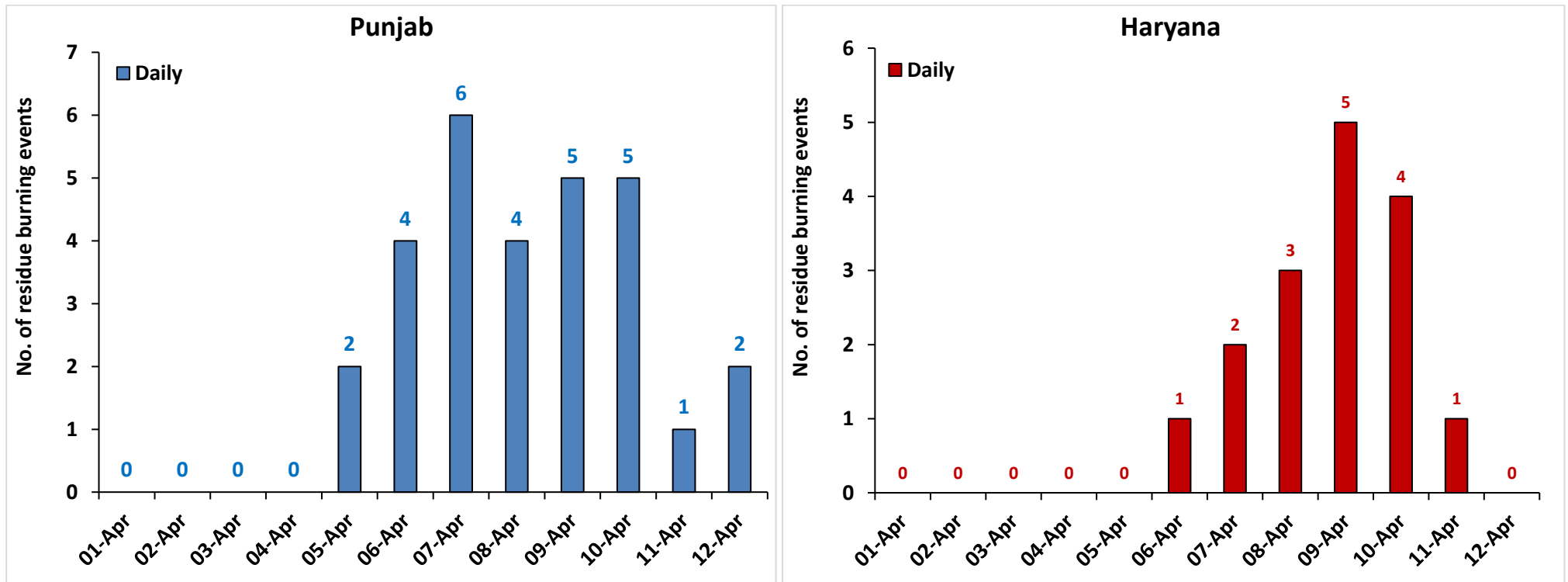
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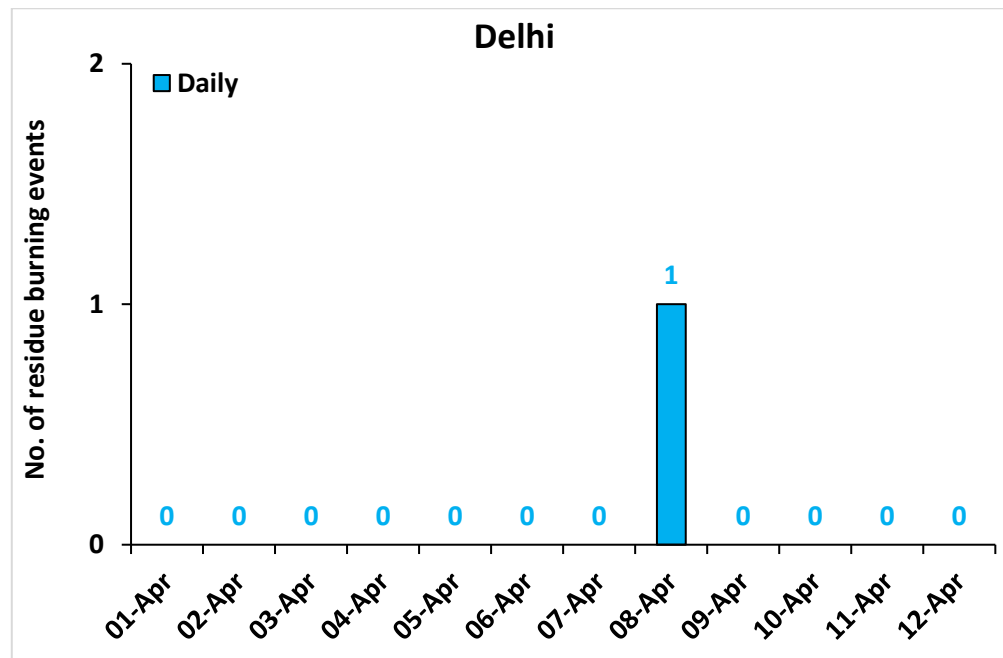
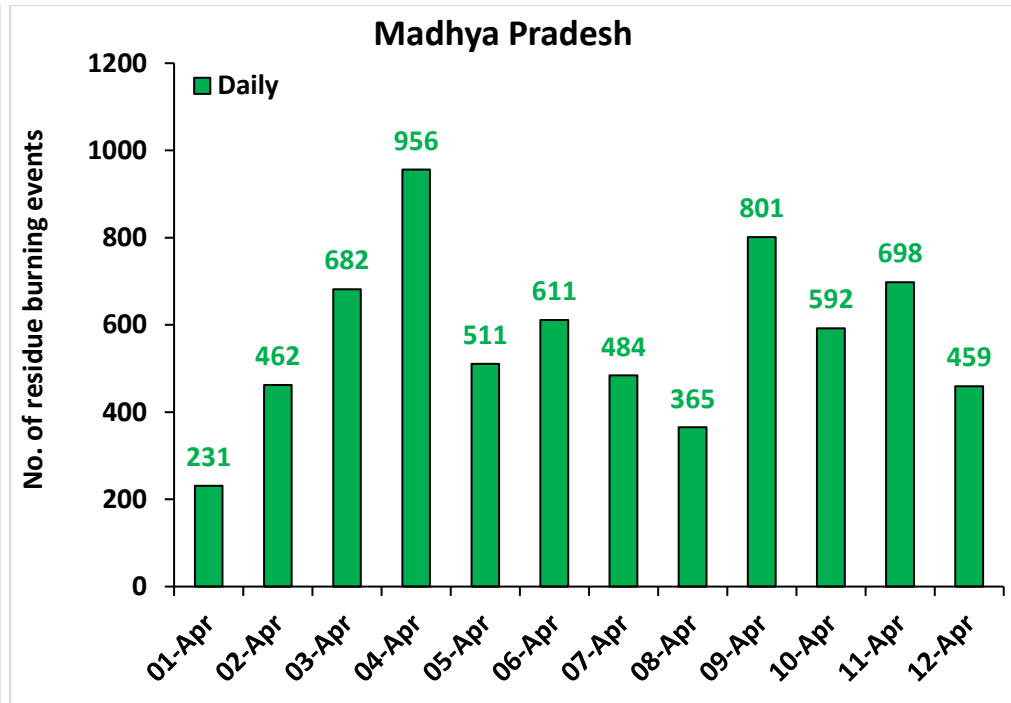
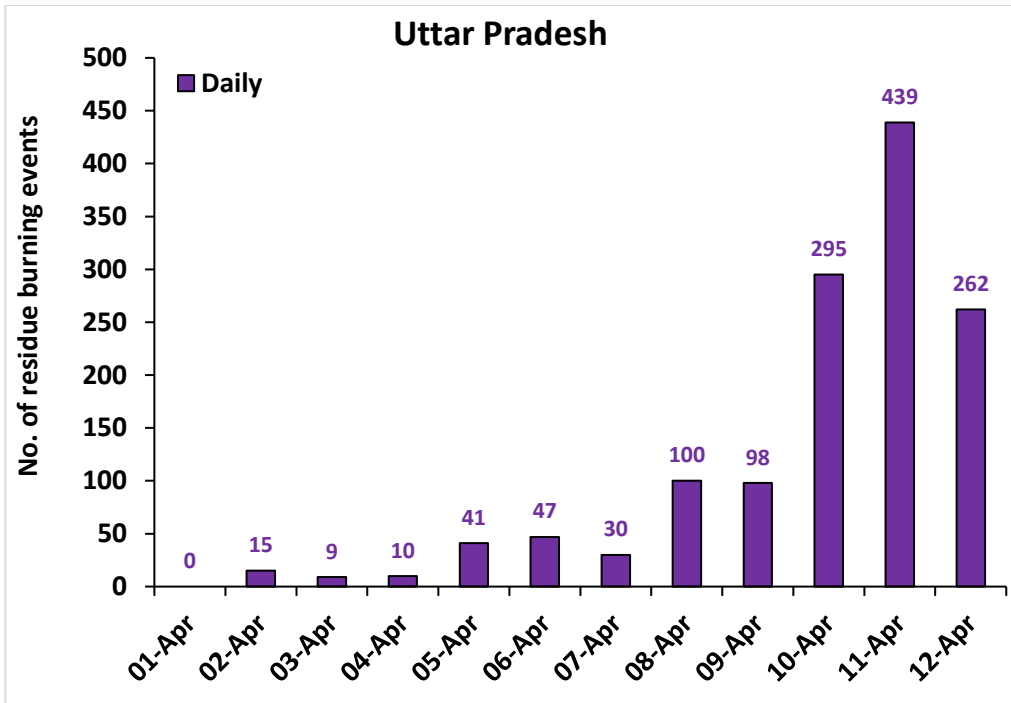


Highlights for 12-April-2023

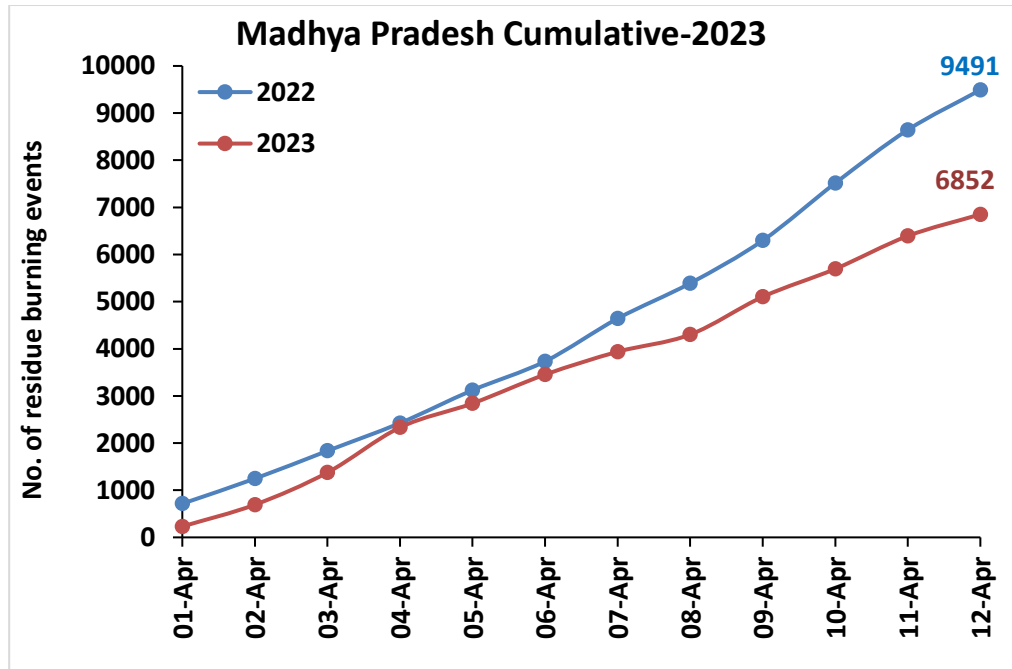
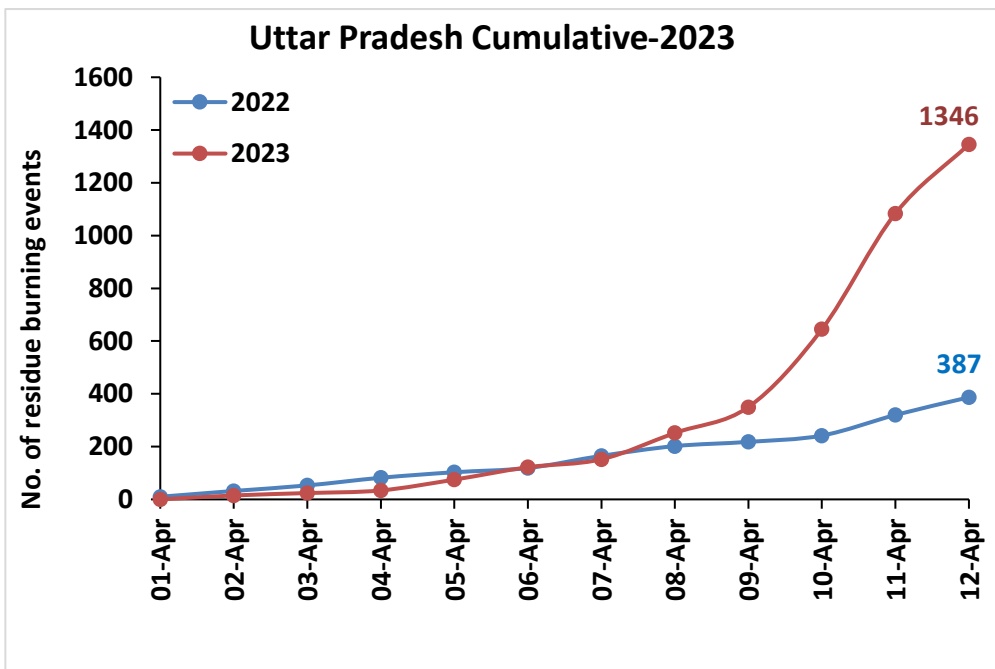
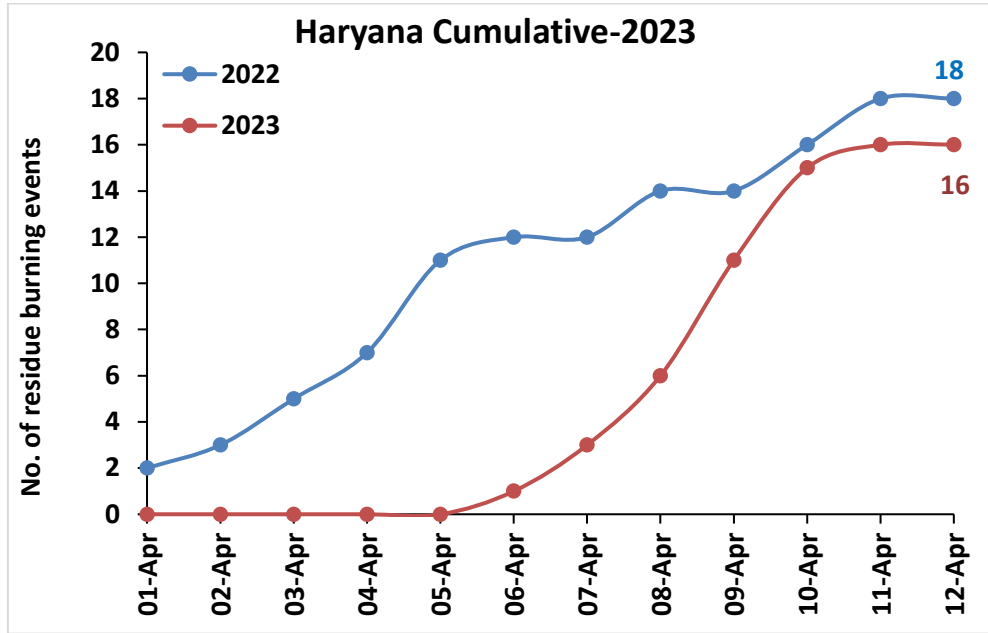
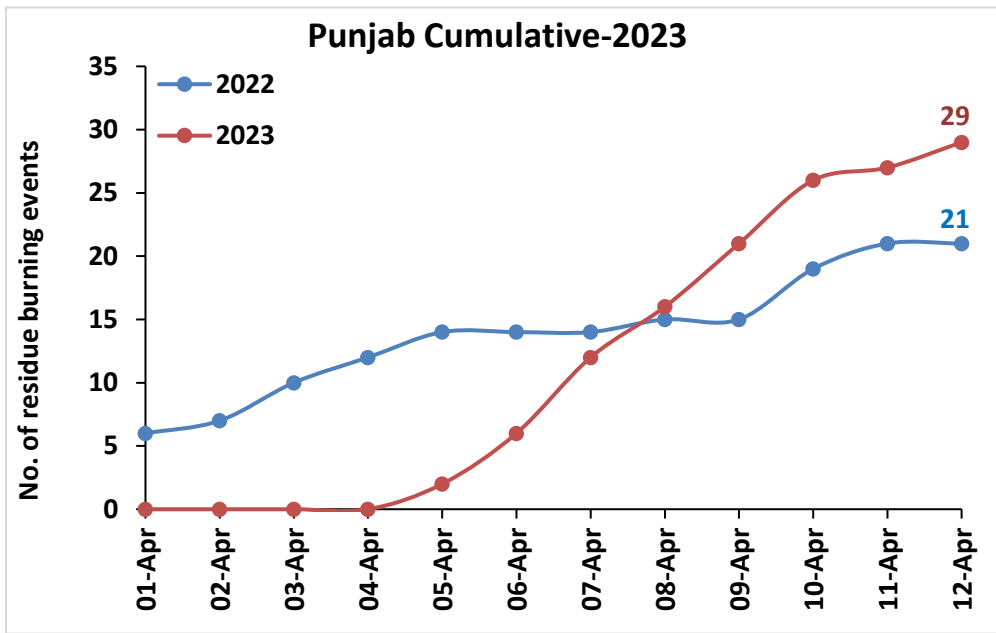
- The active fire events due to wheat residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **723** residue burning events in the five study States on 12-Apr-2023.
- The state wise events detected on 12-Apr-2023 were **02** in Punjab, **00** in Haryana, **00** in Delhi, **262** in Uttar Pradesh and **459** in Madhya Pradesh.
- The number of events has decreased from **1139** on 11-Apr-2023 to **723** on 12-Apr-2023 in the five study states.
- Total **8243** burning events were detected in the five states between 01-Apr-2023 and 12-Apr-2023, which are distributed as **29**, **16**, **1346**, **01**, and **6852** in Punjab, Haryana, UP, Delhi, and MP, respectively.

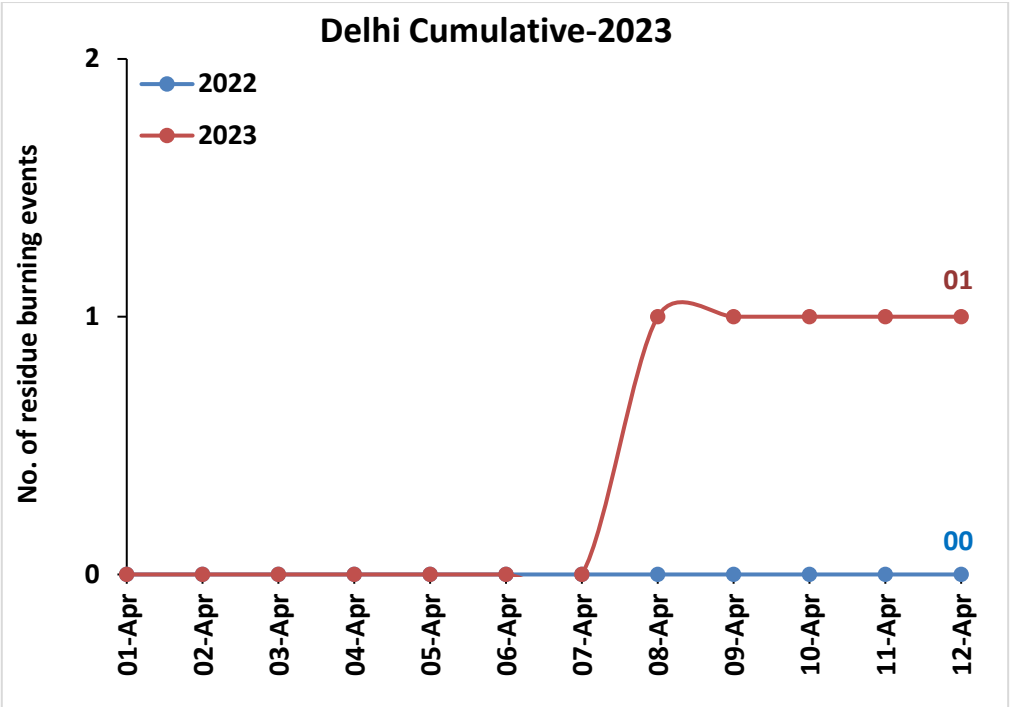
Temporal distribution of wheat residue burning events for the study States in 2023





Comparison of residue burning events in current year (2023) with previous year (2022) for the study States





District-wise cumulative number of wheat residue burning events detected in 2022 and 2023
(Period: 01-12 April)

(a) Punjab

District	01-12 Apr	
	2022	2023
Amritsar	1	4
Barnala	0	0
Bathinda	2	1
Faridkot	2	0
Fatehgarh Sahib	0	1
Fazilka	0	0
Firozpur	1	0
Gurdaspur	1	8
Hoshiarpur	6	2
Jalandhar	2	2
Kapurthala	0	2
Ludhiana	0	1
Mansa	0	0
Moga	0	0
Muktsar	0	0
Pathankot	1	2
Patiala	2	3
Rupnagar	1	0
Sangrur	0	1
SAS NAGAR (Mohali)	0	0
SBS Nagar	2	2
Tarn Taran	0	0
Total	21	29

(b) Haryana

District	01-12 Apr	
	2022	2023
AMBALA	0	1
BHIWANI	0	0
CHARKHI DADRI	1	0
FARIDABAD	1	1
FATEHABAD	1	0
GURGAON	0	0
HISAR	0	2
JHAJJAR	1	4
JIND	4	0
KAITHAL	2	0
KARNAL	0	0
KURUKSHETRA	1	0
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	3	3
PANCHKULA	0	0
PANIPAT	0	0
REWARI	1	1
ROHTAK	0	0
SIRSA	0	0
SONIPAT	3	4
YAMUNANAGAR	0	0
Total	18	16

(c) Uttar Pradesh

District	01-12 Apr							
	2022	2023	GAUTAMBUDHNAGAR	0	0	MUZAFARNAGAR	6	10
			GAZIPUR	2	2	PILHIBHIT	6	8
AGRA	0	0	GHAZIABAD	4	1	PRATAPGARH	3	9
ALIGARH	1	3	GONDA	1	2	RAIBEARELI	6	0
ALLAHABAD	1	3	GORAKHPUR	11	7	RAMPUR	8	0
AMBEDKARNAGAR	0	1	HAMIRPUR	1	1	SANTKABIRNAGAR	2	105
AURAIYA	29	3	HARDOI	4	6	SANTRAVIDASNAGAR	0	0
AZAMGARH	2	2	JALAUN	4	1	SHAHJAHANPUR	7	0
BADAUN	4	2	JAUNPUR	0	0	SHARANPUR	4	0
BAGHPAT	1	1	JHANSI	11	2	SHRAWASTI	5	8
BAHRAICH	3	6	JYOTIBAPHULE NAGAR	1	0	SIDDHARTHANAGAR	111	687
BALLIA	3	12	KANNAUJ	0	0	SITAPUR	5	6
BALRAMPUR	4	6	KANPUR	0	0	SONBHADRA	26	2
BANDA	1	0	KANPUR DEHAT	8	0	SULTANPUR	2	10
BARABANKI	3	0	KAUSHAMBI	2	1	UNNAO	2	0
BAREILLY	5	0	KHERI	27	15	VARANASI	0	0
BASTI	0	25	KUSHINAGAR	1	4	Total	387	1346
BIJNOR	8	11	LACKNOW	0	0			
BULANSAHAR	1	0	LALITPUR	9	3			
CHANDAULI	5	0	MAHAMAYANAGAR	0	1			
CHITRAKOOT	6	1	MAHARAJGANJ	10	327			
DEORIA	0	23	MAHOBA	1	2			
ETAH	0	0	MAINPURI	0	2			
ETAWAH	1	0	MATHURA	1	3			
FAIZABAD	0	4	MAU	0	5			
FARRUKHABAD	0	2	MEERUT	1	1			
FATEHPUR	12	2	MIRZAPUR	3	0			
FIROZABAD	1	0	MORADABAD	1	8			

(d) Madhya Pradesh

District	01-12 Apr				
	2022	2023	PANNA	26	6
ALIRAJPUR	0	0	RAISEN	936	553
ANUPPUR	11	0	RAJGARH	19	23
ASHOKNAGAR	58	26	RATLAM	32	88
BALAGHAT	11	0	REWA	13	5
BARWANI	4	4	SAGAR	217	77
BETUL	45	14	SATNA	22	7
BHIND	4	2	SEHORE	524	313
BHOPAL	104	15	SEONI	83	26
BURHANPUR	6	1	SHAHDOL	33	2
CHHATARPUR	25	9	SHAJAPUR	52	83
CHHINDWARA	45	35	SHEOPUR	21	19
DAMOH	74	81	SHIVPURI	14	10
DATIA	1	6	SIDHI	6	0
DEWAS	189	351	SINGRAULI	29	1
DHAR	394	642	TIKAMGARH	5	10
DINDORI	26	0	UJJAIN	165	473
EAST NIMAR	36	71	UMARIA	16	1
GUNA	93	66	VIDESHA	976	165
GWALIOR	5	1	WEST NIMAR	2	18
HARDA	268	184	Total	9491	6852
HOSHANGABAD	3958	2686			
INDORE	232	455			
JABALPUR	519	207			
JHABUA	0	2			
KATNI	72	25			
MANDLA	19	3			
MANDSAUR	3	18			
MORENA	2	0			
NARSHIMAPURA	95	65			
NIMACH	1	3			

(e) Delhi

District	01-12 Apr	
	2022	2023
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	0	0
NORTH EAST	0	0
NORTH WEST DELHI	0	0
SHAHADRA	0	0
SOUTH	0	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	0	1
Total	0	1

State-wise and date-wise number of wheat residue burning events detected in 2022 and 2023
(Period: 01-12 April)

Date	Punjab		Haryana		Uttar Pradesh		Delhi		Madhya Pradesh	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
01-Apr	6	0	2	0	10	0	0	0	715	231
02-Apr	1	0	1	0	22	15	0	0	531	462
03-Apr	3	0	2	0	21	9	0	0	589	682
04-Apr	2	0	2	0	29	10	0	0	589	956
05-Apr	2	2	4	0	21	41	0	0	698	511
06-Apr	0	4	1	1	16	47	0	0	612	611
07-Apr	0	6	0	2	46	30	0	0	908	484
08-Apr	1	4	2	3	37	100	0	1	749	365
09-Apr	0	5	0	5	16	98	0	0	907	801
10-Apr	4	5	2	4	24	295	0	0	1217	592
11-Apr	2	1	2	1	78	439	0	0	1129	698
12-Apr	0	2	0	0	67	262	0	0	847	459
Total	21	29	18	16	387	1346	0	1	9491	6852

Details of residue burning events in Punjab on 12-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	MAJITHA	S-NPP	31.78837	75.08186	13:24:40	D	1.40
2	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.32925	75.14789	13:24:40	D	1.50

Details of residue burning events in Uttar Pradesh on 12-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AZAMGARH	NIZAMABAD	S-NPP	25.95370	82.96296	13:24:40	D	4.20
2	BAHRAICH	NANPARA	AQUA	27.77700	81.53500	13:11:28	D	12.70
3	BALLIA	BALLIA	S-NPP	25.65251	84.06891	02:14:40	N	0.60
4	BALLIA	BANSDIH	AQUA	25.85100	84.39300	13:11:28	D	14.40
5	BALLIA	BANSDIH	S-NPP	25.85452	84.39370	13:24:40	D	5.90
6	BALRAMPUR	TULSIPUR	S-NPP	27.44026	82.65668	02:14:40	N	0.50
7	BALRAMPUR	TULSIPUR	S-NPP	27.47202	82.63204	02:14:40	N	0.50
8	BASTI	BHANPUR	S-NPP	27.09992	82.76437	13:24:40	D	5.70
9	BASTI	RUDHAULI	AQUA	26.93800	82.90100	13:11:28	D	26.50
10	BASTI	RUDHAULI	AQUA	26.97800	82.90100	13:11:28	D	22.80
11	BASTI	RUDHAULI	S-NPP	26.93838	82.89985	13:24:40	D	13.40
12	BASTI	RUDHAULI	S-NPP	26.94216	82.87978	02:14:40	N	1.20
13	BASTI	RUDHAULI	S-NPP	26.94226	82.89928	13:24:40	D	11.70
14	BASTI	RUDHAULI	S-NPP	26.94549	82.89333	13:24:40	D	9.00
15	BASTI	RUDHAULI	S-NPP	26.95415	82.88787	02:14:40	N	1.90
16	BASTI	RUDHAULI	S-NPP	26.97048	82.89713	02:14:40	N	0.80
17	BASTI	RUDHAULI	S-NPP	26.98107	82.89005	02:14:40	N	1.30
18	CHITRAKOOT	MAU	S-NPP	25.18902	81.45166	13:24:40	D	13.30
19	DEORIA	BARHAJ	AQUA	26.35400	83.77800	13:11:28	D	23.00
20	DEORIA	BARHAJ	AQUA	26.36400	83.77600	13:11:28	D	41.40
21	DEORIA	BARHAJ	S-NPP	26.34389	83.78120	13:24:40	D	5.30
22	DEORIA	BARHAJ	S-NPP	26.34748	83.77673	13:24:40	D	5.30
23	DEORIA	BARHAJ	S-NPP	26.35061	83.76833	13:24:40	D	4.40
24	DEORIA	BARHAJ	S-NPP	26.35198	83.78008	13:24:40	D	7.00
25	DEORIA	BARHAJ	S-NPP	26.35290	83.78793	13:24:40	D	34.10
26	DEORIA	BARHAJ	S-NPP	26.35649	83.78345	13:24:40	D	34.10
27	DEORIA	BARHAJ	S-NPP	26.36099	83.78680	13:24:40	D	9.50
28	DEORIA	BARHAJ	S-NPP	26.36220	83.72955	02:14:40	N	1.10
29	DEORIA	BARHAJ	S-NPP	26.36273	83.76663	13:24:40	D	4.10

30	DEORIA	BARHAJ	S-NPP	26.36320	83.77055	13:24:40	D	4.10
31	DEORIA	BARHAJ	S-NPP	26.36458	83.78230	13:24:40	D	9.50
32	GONDA	GONDA	S-NPP	27.20573	82.10084	13:24:40	D	8.00
33	GORAKHPUR	GOLA	AQUA	26.47900	83.29400	13:11:28	D	10.30
34	GORAKHPUR	GOLA	S-NPP	26.48112	83.29986	13:24:40	D	20.90
35	GORAKHPUR	SAHJANWA	S-NPP	26.83165	83.17904	13:24:40	D	59.50
36	JHANSI	GARAUTHA	S-NPP	25.77329	79.22257	13:24:40	D	7.80
37	LALITPUR	LALITPUR	S-NPP	24.46295	78.34733	13:24:40	D	6.40
38	MAHAMAYANAGAR	SIKANDRA RAO	S-NPP	27.67815	78.43304	02:14:40	N	2.40
39	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04458	83.58863	02:14:40	N	0.40
40	MAHARAJGANJ	NAUTANWA	AQUA	27.29600	83.37700	13:11:28	D	11.70
41	MAHARAJGANJ	NAUTANWA	AQUA	27.31200	83.47300	13:11:28	D	16.60
42	MAHARAJGANJ	NAUTANWA	AQUA	27.37000	83.44100	13:11:28	D	39.90
43	MAHARAJGANJ	NAUTANWA	AQUA	27.37200	83.45300	13:11:28	D	17.10
44	MAHARAJGANJ	NAUTANWA	AQUA	27.42100	83.62700	13:11:28	D	15.70
45	MAHARAJGANJ	NAUTANWA	S-NPP	27.25199	83.33415	02:14:40	N	0.90
46	MAHARAJGANJ	NAUTANWA	S-NPP	27.31807	83.47971	13:24:40	D	16.40
47	MAHARAJGANJ	NAUTANWA	S-NPP	27.41788	83.63455	13:24:40	D	7.50
48	MAHARAJGANJ	NICHLAUL	AQUA	27.30300	83.65900	13:11:28	D	12.50
49	MAHARAJGANJ	NICHLAUL	S-NPP	27.22416	83.66875	13:24:40	D	5.70
50	MAHARAJGANJ	NICHLAUL	S-NPP	27.30590	83.66142	13:24:40	D	8.30
51	MAHARAJGANJ	NICHLAUL	S-NPP	27.30997	83.66086	13:24:40	D	7.10
52	MAHARAJGANJ	PHARENDA	TERRA	27.14600	83.37300	09:49:08	D	40.10
53	MAHARAJGANJ	PHARENDA	AQUA	27.25600	83.25900	13:11:28	D	20.30
54	MAHARAJGANJ	PHARENDA	S-NPP	27.25102	83.26054	13:24:40	D	3.60
55	MAHARAJGANJ	PHARENDA	S-NPP	27.25432	83.25430	13:24:40	D	10.80
56	MAHARAJGANJ	PHARENDA	S-NPP	27.25499	83.25997	13:24:40	D	10.80
57	MAHARAJGANJ	PHARENDA	S-NPP	27.31632	83.29437	02:14:40	N	0.70
58	MAHARAJGANJ	PHARENDA	S-NPP	27.32512	83.29671	02:14:40	N	0.70
59	MEERUT	SARDHANA	S-NPP	29.22466	77.58582	02:14:40	N	0.70
60	MORADABAD	MORADABAD	S-NPP	28.85787	78.81219	13:24:40	D	2.40
61	MORADABAD	MORADABAD	S-NPP	28.86121	78.81157	13:24:40	D	2.40
62	MORADABAD	MORADABAD	S-NPP	28.89396	78.85456	02:14:40	N	0.50

63	MORADABAD	THAKUR DWARA	S-NPP	29.08215	78.82166	13:24:40	D	3.20
64	PILHIBHIT	PILHIBHIT	S-NPP	28.65135	79.71204	02:14:40	N	0.40
65	SANTKABIRNAGAR	KHALILABAD	AQUA	26.83800	82.86300	13:11:28	D	41.20
66	SANTKABIRNAGAR	KHALILABAD	AQUA	26.89500	82.92100	02:18:52	N	7.00
67	SANTKABIRNAGAR	KHALILABAD	AQUA	26.90000	82.92300	13:11:28	D	11.80
68	SANTKABIRNAGAR	KHALILABAD	AQUA	26.91300	82.88000	13:11:28	D	64.40
69	SANTKABIRNAGAR	KHALILABAD	AQUA	26.91600	82.89300	13:11:28	D	14.00
70	SANTKABIRNAGAR	KHALILABAD	AQUA	26.92300	82.87800	13:11:28	D	41.00
71	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.84579	82.86135	02:14:40	N	0.80
72	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.84925	82.85530	13:24:40	D	10.90
73	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.85372	82.93308	02:14:40	N	0.70
74	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.87823	82.92259	02:14:40	N	0.40
75	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.87935	82.91987	02:14:40	N	1.30
76	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88280	82.88100	02:14:40	N	0.80
77	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88422	82.89626	02:14:40	N	1.60
78	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88427	82.89432	02:14:40	N	2.50
79	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88519	82.89155	02:14:40	N	2.30
80	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88692	82.92487	02:14:40	N	1.60
81	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88713	82.88213	02:14:40	N	1.20
82	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88727	82.88023	02:14:40	N	2.00
83	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.88792	82.92015	02:14:40	N	2.10
84	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.89060	82.88607	02:14:40	N	2.10
85	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.89145	82.88328	02:14:40	N	1.20
86	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.89762	82.93011	13:24:40	D	17.10
87	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.90827	82.91055	02:14:40	N	0.50
88	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.91225	82.89174	02:14:40	N	1.30
89	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.91324	82.88705	02:14:40	N	0.70
90	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.91765	82.95290	02:14:40	N	1.90
91	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.91776	82.89193	13:24:40	D	18.40
92	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.91839	82.89730	13:24:40	D	18.40
93	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.91975	82.87524	13:24:40	D	12.40
94	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92101	82.88597	13:24:40	D	5.50
95	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92362	82.87467	13:24:40	D	9.10

96	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92387	82.87994	02:14:40	N	0.90
97	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92622	82.89044	02:14:40	N	1.60
98	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.92820	82.88107	02:14:40	N	0.90
99	SANTKABIRNAGAR	MEHDAWAL	TERRA	26.94300	82.91300	09:49:08	D	39.00
100	SANTKABIRNAGAR	MEHDAWAL	TERRA	26.94400	82.90700	09:49:08	D	42.10
101	SANTKABIRNAGAR	MEHDAWAL	AQUA	26.98000	82.91400	13:11:28	D	77.10
102	SANTKABIRNAGAR	MEHDAWAL	AQUA	27.09400	83.09300	13:11:28	D	10.80
103	SANTKABIRNAGAR	MEHDAWAL	AQUA	27.09500	83.10000	13:11:28	D	29.10
104	SANTKABIRNAGAR	MEHDAWAL	AQUA	27.09700	83.10600	13:11:28	D	21.60
105	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.89558	82.99218	02:14:40	N	0.90
106	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.93428	82.91740	02:14:40	N	4.30
107	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.93526	82.91268	02:14:40	N	5.80
108	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.93861	82.91853	02:14:40	N	4.30
109	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.93965	82.91064	13:24:40	D	11.40
110	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.94728	82.92081	02:14:40	N	0.70
111	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.94826	82.91609	02:14:40	N	1.60
112	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.95161	82.92195	02:14:40	N	0.50
113	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.97969	82.91574	13:24:40	D	5.60
114	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.98293	82.90978	13:24:40	D	9.50
115	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.98357	82.91517	13:24:40	D	7.40
116	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.98745	82.91461	13:24:40	D	7.40
117	SIDDHARTHANAGAR	BANSI	AQUA	27.06500	82.98800	13:11:28	D	17.00
118	SIDDHARTHANAGAR	BANSI	AQUA	27.07500	82.97900	13:11:28	D	30.20
119	SIDDHARTHANAGAR	BANSI	AQUA	27.07800	82.93900	13:11:28	D	21.40
120	SIDDHARTHANAGAR	BANSI	AQUA	27.08000	82.95200	13:11:28	D	33.30
121	SIDDHARTHANAGAR	BANSI	AQUA	27.09700	82.98800	13:11:28	D	18.20
122	SIDDHARTHANAGAR	BANSI	AQUA	27.10500	82.85300	13:11:28	D	18.70
123	SIDDHARTHANAGAR	BANSI	AQUA	27.10700	82.86600	13:11:28	D	37.60
124	SIDDHARTHANAGAR	BANSI	AQUA	27.22300	82.82200	13:11:28	D	17.60
125	SIDDHARTHANAGAR	BANSI	AQUA	27.23000	82.80600	13:11:28	D	33.90
126	SIDDHARTHANAGAR	BANSI	AQUA	27.24400	82.95000	13:11:28	D	15.30
127	SIDDHARTHANAGAR	BANSI	AQUA	27.25400	82.94800	13:11:28	D	11.20
128	SIDDHARTHANAGAR	BANSI	S-NPP	27.04926	82.85062	02:14:40	N	2.00

129	SIDDHARTHANAGAR	BANSI	S-NPP	27.05162	82.86106	02:14:40	N	1.10
130	SIDDHARTHANAGAR	BANSI	S-NPP	27.05260	82.85640	02:14:40	N	1.10
131	SIDDHARTHANAGAR	BANSI	S-NPP	27.05357	82.85175	02:14:40	N	2.00
132	SIDDHARTHANAGAR	BANSI	S-NPP	27.05788	82.85288	02:14:40	N	1.40
133	SIDDHARTHANAGAR	BANSI	S-NPP	27.05885	82.84824	02:14:40	N	1.40
134	SIDDHARTHANAGAR	BANSI	S-NPP	27.06316	82.84936	02:14:40	N	1.40
135	SIDDHARTHANAGAR	BANSI	S-NPP	27.06650	82.85513	02:14:40	N	1.20
136	SIDDHARTHANAGAR	BANSI	S-NPP	27.06693	82.87489	02:14:40	N	1.20
137	SIDDHARTHANAGAR	BANSI	S-NPP	27.06790	82.87023	02:14:40	N	1.20
138	SIDDHARTHANAGAR	BANSI	S-NPP	27.06819	82.93449	02:14:40	N	0.70
139	SIDDHARTHANAGAR	BANSI	S-NPP	27.06887	82.86558	02:14:40	N	1.30
140	SIDDHARTHANAGAR	BANSI	S-NPP	27.07221	82.87137	02:14:40	N	0.70
141	SIDDHARTHANAGAR	BANSI	S-NPP	27.07550	82.95421	13:24:40	D	7.70
142	SIDDHARTHANAGAR	BANSI	S-NPP	27.07695	82.89231	02:14:40	N	1.40
143	SIDDHARTHANAGAR	BANSI	S-NPP	27.07939	82.95364	13:24:40	D	7.00
144	SIDDHARTHANAGAR	BANSI	S-NPP	27.08199	82.94219	13:24:40	D	18.30
145	SIDDHARTHANAGAR	BANSI	S-NPP	27.08462	82.89926	02:14:40	N	0.60
146	SIDDHARTHANAGAR	BANSI	S-NPP	27.09296	82.86896	13:24:40	D	7.70
147	SIDDHARTHANAGAR	BANSI	S-NPP	27.09376	82.87704	02:14:40	N	0.80
148	SIDDHARTHANAGAR	BANSI	S-NPP	27.09472	82.87238	02:14:40	N	0.90
149	SIDDHARTHANAGAR	BANSI	S-NPP	27.09684	82.86839	13:24:40	D	7.70
150	SIDDHARTHANAGAR	BANSI	S-NPP	27.09782	82.87999	02:14:40	N	1.10
151	SIDDHARTHANAGAR	BANSI	S-NPP	27.09807	82.87817	02:14:40	N	1.10
152	SIDDHARTHANAGAR	BANSI	S-NPP	27.09951	82.98957	13:24:40	D	8.40
153	SIDDHARTHANAGAR	BANSI	S-NPP	27.10190	82.76702	13:24:40	D	3.60
154	SIDDHARTHANAGAR	BANSI	S-NPP	27.10715	82.85593	13:24:40	D	9.60
155	SIDDHARTHANAGAR	BANSI	S-NPP	27.10780	82.86130	13:24:40	D	9.60
156	SIDDHARTHANAGAR	BANSI	S-NPP	27.10846	82.86669	13:24:40	D	6.20
157	SIDDHARTHANAGAR	BANSI	S-NPP	27.12270	82.89142	02:14:40	N	1.50
158	SIDDHARTHANAGAR	BANSI	S-NPP	27.12635	82.94446	13:24:40	D	13.50
159	SIDDHARTHANAGAR	BANSI	S-NPP	27.12935	82.90302	02:14:40	N	0.90
160	SIDDHARTHANAGAR	BANSI	S-NPP	27.13071	82.91815	02:14:40	N	2.40
161	SIDDHARTHANAGAR	BANSI	S-NPP	27.13170	82.91348	02:14:40	N	2.40

162	SIDDHARTHANAGAR	BANSI	S-NPP	27.13231	82.88904	02:14:40	N	1.00
163	SIDDHARTHANAGAR	BANSI	S-NPP	27.13268	82.90882	02:14:40	N	0.90
164	SIDDHARTHANAGAR	BANSI	S-NPP	27.13798	82.90529	02:14:40	N	0.70
165	SIDDHARTHANAGAR	BANSI	S-NPP	27.14857	82.89823	02:14:40	N	0.70
166	SIDDHARTHANAGAR	BANSI	S-NPP	27.15190	82.90402	02:14:40	N	0.70
167	SIDDHARTHANAGAR	BANSI	S-NPP	27.22279	82.82554	13:24:40	D	5.70
168	SIDDHARTHANAGAR	BANSI	S-NPP	27.22377	82.86217	13:24:40	D	5.20
169	SIDDHARTHANAGAR	BANSI	S-NPP	27.22527	82.80701	13:24:40	D	6.30
170	SIDDHARTHANAGAR	BANSI	S-NPP	27.22789	82.80289	13:24:40	D	14.70
171	SIDDHARTHANAGAR	BANSI	S-NPP	27.22913	82.80643	13:24:40	D	22.70
172	SIDDHARTHANAGAR	BANSI	S-NPP	27.23119	82.82980	13:24:40	D	4.40
173	SIDDHARTHANAGAR	BANSI	S-NPP	27.23164	82.82799	13:24:40	D	6.40
174	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.15577	82.73476	02:14:40	N	0.60
175	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.17851	82.54147	02:14:40	N	0.60
176	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.17984	82.54439	02:14:40	N	0.60
177	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.24354	82.69550	13:24:40	D	6.80
178	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.24991	82.69239	02:14:40	N	1.60
179	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.25151	82.69514	02:14:40	N	2.40
180	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.25323	82.69803	02:14:40	N	1.30
181	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.25766	82.68723	02:14:40	N	1.50
182	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.25933	82.69009	02:14:40	N	1.20
183	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.26025	82.68557	02:14:40	N	1.20
184	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.26287	82.68382	02:14:40	N	1.50
185	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.26616	82.68945	02:14:40	N	1.20
186	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.27876	82.66328	13:24:40	D	9.40
187	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.28269	82.67472	02:14:40	N	1.30
188	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.28694	82.67583	02:14:40	N	2.90
189	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.28788	82.67133	02:14:40	N	2.90
190	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.28882	82.66683	02:14:40	N	1.50
191	SIDDHARTHANAGAR	ITWA	AQUA	27.22800	82.79300	13:11:28	D	23.80
192	SIDDHARTHANAGAR	ITWA	AQUA	27.22900	82.80000	13:11:28	D	30.00
193	SIDDHARTHANAGAR	ITWA	TERRA	27.23700	82.80000	09:49:08	D	58.10
194	SIDDHARTHANAGAR	ITWA	AQUA	27.26000	82.73900	13:11:28	D	24.60

195	SIDDHARTHANAGAR	ITWA	AQUA	27.27100	82.68200	13:11:28	D	13.20
196	SIDDHARTHANAGAR	ITWA	TERRA	27.34200	82.81500	09:49:08	D	76.90
197	SIDDHARTHANAGAR	ITWA	TERRA	27.36600	82.65900	09:49:08	D	44.00
198	SIDDHARTHANAGAR	ITWA	S-NPP	27.22851	82.80106	13:24:40	D	22.70
199	SIDDHARTHANAGAR	ITWA	S-NPP	27.25693	82.74230	13:24:40	D	11.20
200	SIDDHARTHANAGAR	ITWA	S-NPP	27.25854	82.72562	02:14:40	N	2.20
201	SIDDHARTHANAGAR	ITWA	S-NPP	27.26184	82.73127	02:14:40	N	1.70
202	SIDDHARTHANAGAR	ITWA	S-NPP	27.26711	82.68492	02:14:40	N	1.20
203	SIDDHARTHANAGAR	ITWA	S-NPP	27.27300	82.68032	13:24:40	D	6.30
204	SIDDHARTHANAGAR	ITWA	S-NPP	27.28881	82.75267	02:14:40	N	0.90
205	SIDDHARTHANAGAR	ITWA	S-NPP	27.29923	82.74583	02:14:40	N	1.00
206	SIDDHARTHANAGAR	ITWA	S-NPP	27.30303	82.63814	13:24:40	D	25.60
207	SIDDHARTHANAGAR	ITWA	S-NPP	27.30387	82.77355	13:24:40	D	7.10
208	SIDDHARTHANAGAR	ITWA	S-NPP	27.30491	82.76173	02:14:40	N	0.80
209	SIDDHARTHANAGAR	ITWA	S-NPP	27.30586	82.75717	02:14:40	N	1.10
210	SIDDHARTHANAGAR	ITWA	S-NPP	27.30902	82.63425	02:14:40	N	0.80
211	SIDDHARTHANAGAR	ITWA	S-NPP	27.30919	82.80621	02:14:40	N	2.00
212	SIDDHARTHANAGAR	ITWA	S-NPP	27.30963	82.73901	02:14:40	N	1.30
213	SIDDHARTHANAGAR	ITWA	S-NPP	27.31014	82.80164	02:14:40	N	2.00
214	SIDDHARTHANAGAR	ITWA	S-NPP	27.31127	82.61008	13:24:40	D	5.20
215	SIDDHARTHANAGAR	ITWA	S-NPP	27.31325	82.63535	02:14:40	N	1.50
216	SIDDHARTHANAGAR	ITWA	S-NPP	27.31726	82.78902	02:14:40	N	0.70
217	SIDDHARTHANAGAR	ITWA	S-NPP	27.31820	82.78445	02:14:40	N	0.70
218	SIDDHARTHANAGAR	ITWA	S-NPP	27.32128	82.78738	13:24:40	D	9.80
219	SIDDHARTHANAGAR	ITWA	S-NPP	27.32217	82.78490	13:24:40	D	9.40
220	SIDDHARTHANAGAR	ITWA	S-NPP	27.32305	82.60966	02:14:40	N	0.40
221	SIDDHARTHANAGAR	ITWA	S-NPP	27.32435	82.77645	02:14:40	N	1.30
222	SIDDHARTHANAGAR	ITWA	S-NPP	27.33339	82.79810	02:14:40	N	1.20
223	SIDDHARTHANAGAR	ITWA	S-NPP	27.33372	82.73096	02:14:40	N	1.00
224	SIDDHARTHANAGAR	ITWA	S-NPP	27.33397	82.80037	02:14:40	N	1.70
225	SIDDHARTHANAGAR	ITWA	S-NPP	27.33621	82.78437	02:14:40	N	0.50
226	SIDDHARTHANAGAR	ITWA	S-NPP	27.33672	82.80380	02:14:40	N	1.20
227	SIDDHARTHANAGAR	ITWA	S-NPP	27.33766	82.79922	02:14:40	N	1.20

228	SIDDHARTHANAGAR	ITWA	S-NPP	27.33824	82.80149	02:14:40	N	1.70
229	SIDDHARTHANAGAR	ITWA	S-NPP	27.35950	82.80133	13:24:40	D	7.50
230	SIDDHARTHANAGAR	ITWA	S-NPP	27.36071	82.64306	02:14:40	N	0.70
231	SIDDHARTHANAGAR	ITWA	S-NPP	27.36238	82.70037	02:14:40	N	1.00
232	SIDDHARTHANAGAR	ITWA	S-NPP	27.36354	82.74572	02:14:40	N	0.90
233	SIDDHARTHANAGAR	ITWA	S-NPP	27.36362	82.70287	02:14:40	N	0.70
234	SIDDHARTHANAGAR	ITWA	S-NPP	27.36861	82.74522	13:24:40	D	9.20
235	SIDDHARTHANAGAR	ITWA	S-NPP	27.37099	82.63634	02:14:40	N	1.00
236	SIDDHARTHANAGAR	ITWA	S-NPP	27.37170	82.64345	02:14:40	N	0.90
237	SIDDHARTHANAGAR	ITWA	S-NPP	27.37264	82.63898	02:14:40	N	3.20
238	SIDDHARTHANAGAR	ITWA	S-NPP	27.37431	82.64193	02:14:40	N	1.40
239	SIDDHARTHANAGAR	ITWA	S-NPP	27.37522	82.63744	02:14:40	N	1.40
240	SIDDHARTHANAGAR	ITWA	S-NPP	27.37579	82.77290	02:14:40	N	0.60
241	SIDDHARTHANAGAR	ITWA	S-NPP	27.37674	82.76836	02:14:40	N	0.60
242	SIDDHARTHANAGAR	ITWA	S-NPP	27.37770	82.76381	02:14:40	N	0.80
243	SIDDHARTHANAGAR	ITWA	S-NPP	27.38195	82.76492	02:14:40	N	0.80
244	SIDDHARTHANAGAR	ITWA	S-NPP	27.38386	82.75583	02:14:40	N	0.90
245	SIDDHARTHANAGAR	ITWA	S-NPP	27.38955	82.68594	02:14:40	N	0.80
246	SIDDHARTHANAGAR	ITWA	S-NPP	27.39473	82.68255	02:14:40	N	0.70
247	SIDDHARTHANAGAR	NAUGARH	TERRA	27.25500	82.96200	09:49:08	D	52.20
248	SIDDHARTHANAGAR	NAUGARH	AQUA	27.25600	82.95400	13:11:28	D	15.30
249	SIDDHARTHANAGAR	NAUGARH	AQUA	27.25600	82.96100	13:11:28	D	13.20
250	SIDDHARTHANAGAR	NAUGARH	AQUA	27.34700	83.06500	13:11:28	D	17.90
251	SIDDHARTHANAGAR	NAUGARH	AQUA	27.41200	83.14900	13:11:28	D	18.60
252	SIDDHARTHANAGAR	NAUGARH	AQUA	27.42200	83.14700	13:11:28	D	12.40
253	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.27374	83.21111	02:14:40	N	0.40
254	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.28893	83.20495	02:14:40	N	0.70
255	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.28996	83.20012	02:14:40	N	0.70
256	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.29099	83.19530	02:14:40	N	1.10
257	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.29228	83.21093	02:14:40	N	1.00
258	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.29331	83.20610	02:14:40	N	1.80
259	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.31035	83.10428	02:14:40	N	0.70
260	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.32164	83.12263	13:24:40	D	7.90

261	SONBHADRA	DUDHI	AQUA	24.08000	83.05300	13:11:28	D	25.10
262	SONBHADRA	DUDHI	AQUA	24.08200	83.06700	13:11:28	D	19.20

Details of wheat residue burning events in Madhya Pradesh on 12-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.75197	77.63844	13:24:40	D	20.00
2	ASHOKNAGAR	ISAGARH	S-NPP	24.67752	77.64479	13:24:40	D	15.80
3	ASHOKNAGAR	ISAGARH	S-NPP	24.77096	77.78751	02:14:40	N	0.50
4	ASHOKNAGAR	ISAGARH	S-NPP	24.86919	77.80639	02:14:40	N	1.80
5	ASHOKNAGAR	MUNGAOLI	S-NPP	24.26388	77.92798	02:14:40	N	0.30
6	ASHOKNAGAR	MUNGAOLI	S-NPP	24.40453	77.80296	13:24:40	D	9.80
7	ASHOKNAGAR	MUNGAOLI	S-NPP	24.52957	78.14388	13:24:40	D	7.50
8	ASHOKNAGAR	MUNGAOLI	S-NPP	24.53288	78.14326	13:24:40	D	7.50
9	ASHOKNAGAR	MUNGAOLI	S-NPP	24.53474	78.11167	13:24:40	D	21.10
10	ASHOKNAGAR	MUNGAOLI	S-NPP	24.54077	78.10663	13:24:40	D	11.00
11	BHOPAL	BERASIYA	S-NPP	23.68230	77.28605	02:14:40	N	0.40
12	BHOPAL	HUZUR	S-NPP	23.11525	77.49327	13:24:40	D	3.00
13	CHHATARPUR	BARAMALEHRA	S-NPP	24.37796	79.00697	13:24:40	D	10.40
14	CHHATARPUR	BARAMALEHRA	S-NPP	24.51371	79.39494	13:24:40	D	4.50
15	CHHATARPUR	BARAMALEHRA	S-NPP	24.56696	79.43243	13:24:40	D	3.50
16	CHHATARPUR	LOUNDI	S-NPP	25.15761	79.97083	02:14:40	N	0.40
17	CHHINDWARA	CHAURAI	AQUA	22.20800	79.33500	13:11:28	D	59.30
18	CHHINDWARA	CHAURAI	S-NPP	22.02625	79.33826	13:24:40	D	5.50
19	CHHINDWARA	CHAURAI	S-NPP	22.15169	79.31600	13:24:40	D	10.60
20	CHHINDWARA	CHAURAI	S-NPP	22.16142	79.29139	02:14:40	N	1.00
21	CHHINDWARA	CHHINDWARA	S-NPP	21.99757	78.99695	13:24:40	D	11.70
22	DAMOH	BATIAGARH	S-NPP	24.06473	79.39613	13:24:40	D	16.50
23	DAMOH	BATIAGARH	S-NPP	24.18622	79.50694	13:24:40	D	10.10
24	DAMOH	HATTA	AQUA	24.22300	79.82000	13:11:28	D	64.20
25	DAMOH	HATTA	S-NPP	24.22985	79.70457	02:14:40	N	1.10
26	DAMOH	HATTA	S-NPP	24.23077	79.83199	13:24:40	D	5.40
27	DAMOH	HATTA	S-NPP	24.23141	79.70734	02:14:40	N	0.40
28	DAMOH	PATHARIA	S-NPP	23.83928	79.29295	13:24:40	D	8.60
29	DAMOH	PATHARIA	S-NPP	23.84260	79.29236	13:24:40	D	8.60

30	DAMOH	PATHARIA	S-NPP	23.93645	79.37628	02:14:40	N	1.70
31	DAMOH	PATHARIA	S-NPP	23.94019	79.37712	02:14:40	N	1.70
32	DAMOH	PATHARIA	S-NPP	23.94204	79.36718	02:14:40	N	0.60
33	DAMOH	PATHARIA	S-NPP	23.97571	79.39245	13:24:40	D	8.30
34	DAMOH	PATHARIA	S-NPP	24.03262	79.48794	02:14:40	N	0.40
35	DAMOH	TENDUKHERA	S-NPP	23.39608	79.28992	13:24:40	D	5.40
36	DEWAS	DEWAS	S-NPP	22.83802	76.16643	02:14:40	N	2.10
37	DEWAS	DEWAS	S-NPP	22.98573	75.93025	02:14:40	N	0.50
38	DEWAS	DEWAS	S-NPP	22.99350	76.04977	02:14:40	N	0.60
39	DEWAS	DEWAS	S-NPP	22.99698	75.92458	02:14:40	N	3.20
40	DEWAS	DEWAS	S-NPP	23.02777	76.00911	02:14:40	N	0.20
41	DEWAS	TONK KHURD	S-NPP	23.09936	76.25573	02:14:40	N	0.80
42	DEWAS	TONK KHURD	S-NPP	23.12163	76.12114	02:14:40	N	0.50
43	DHAR	BADNAWAR	TERRA	22.79800	75.32100	11:25:31	D	57.60
44	DHAR	BADNAWAR	TERRA	22.79900	75.31500	11:25:31	D	57.20
45	DHAR	BADNAWAR	S-NPP	22.77530	75.23856	13:24:40	D	36.90
46	DHAR	BADNAWAR	S-NPP	22.78934	75.32738	02:14:40	N	0.80
47	DHAR	BADNAWAR	S-NPP	22.78994	75.32363	02:14:40	N	1.00
48	DHAR	BADNAWAR	S-NPP	22.80394	75.22777	13:24:40	D	12.30
49	DHAR	BADNAWAR	S-NPP	22.82271	75.22588	02:14:40	N	0.50
50	DHAR	BADNAWAR	S-NPP	22.82721	75.21903	02:14:40	N	0.90
51	DHAR	BADNAWAR	S-NPP	23.07904	75.29547	02:14:40	N	0.90
52	DHAR	DHAR	S-NPP	22.54235	75.37823	13:24:40	D	12.30
53	DHAR	DHAR	S-NPP	22.57692	75.61996	13:24:40	D	10.70
54	DHAR	DHAR	S-NPP	22.57793	75.35474	02:14:40	N	1.30
55	DHAR	DHAR	S-NPP	22.58140	75.51674	02:14:40	N	0.30
56	DHAR	DHAR	S-NPP	22.60249	75.38206	13:24:40	D	8.60
57	DHAR	DHAR	S-NPP	22.60615	75.38131	13:24:40	D	8.60
58	DHAR	DHAR	S-NPP	22.63324	75.38742	02:14:40	N	0.50
59	DHAR	DHAR	S-NPP	22.63351	75.40675	02:14:40	N	0.50
60	DHAR	DHAR	S-NPP	22.64722	75.49047	02:14:40	N	0.40
61	DHAR	DHAR	S-NPP	22.65503	75.44353	13:24:40	D	5.40
62	DHAR	DHAR	S-NPP	22.67155	75.25597	02:14:40	N	0.60

63	DHAR	DHAR	S-NPP	22.67426	75.26031	02:14:40	N	0.90
64	DHAR	DHAR	S-NPP	22.67486	75.25658	02:14:40	N	0.60
65	DHAR	DHAR	S-NPP	22.71277	75.42097	02:14:40	N	1.00
66	DHAR	DHAR	S-NPP	22.71338	75.41723	02:14:40	N	1.20
67	DHAR	DHAR	S-NPP	22.71345	75.37480	02:14:40	N	0.60
68	DHAR	DHAR	S-NPP	22.72007	75.37605	02:14:40	N	0.70
69	DHAR	DHAR	S-NPP	22.72703	75.35421	02:14:40	N	0.70
70	DHAR	DHAR	S-NPP	22.73038	75.31246	02:14:40	N	0.50
71	DHAR	DHAR	S-NPP	22.73055	75.41660	02:14:40	N	0.80
72	DHAR	DHAR	S-NPP	22.73108	75.45533	02:14:40	N	1.50
73	DHAR	DHAR	S-NPP	22.73404	75.25424	13:24:40	D	23.30
74	DHAR	DHAR	S-NPP	22.73606	75.24401	13:24:40	D	15.00
75	DHAR	SARDARPUR	S-NPP	22.62886	74.88849	02:14:40	N	0.50
76	DHAR	SARDARPUR	S-NPP	22.62945	74.88477	02:14:40	N	0.50
77	DHAR	SARDARPUR	S-NPP	22.65730	75.01678	13:24:40	D	10.70
78	DHAR	SARDARPUR	S-NPP	22.66849	74.89580	02:14:40	N	0.30
79	EAST NIMAR	HARSUD	S-NPP	21.82460	76.60027	13:24:40	D	10.70
80	EAST NIMAR	HARSUD	S-NPP	21.82811	76.59958	13:24:40	D	10.50
81	EAST NIMAR	KHANDWA	S-NPP	22.03131	76.47473	13:24:40	D	14.50
82	EAST NIMAR	KHANDWA	S-NPP	22.13337	76.32741	13:24:40	D	16.80
83	EAST NIMAR	KHANDWA	S-NPP	22.14975	76.21789	13:24:40	D	15.10
84	EAST NIMAR	KHANDWA	S-NPP	22.19501	76.29894	02:14:40	N	0.60
85	EAST NIMAR	KHANDWA	S-NPP	22.21397	76.31063	02:14:40	N	1.00
86	EAST NIMAR	PANDHANA	S-NPP	21.72141	76.26619	13:24:40	D	14.50
87	GUNA	CHACHAURA	S-NPP	24.26650	76.92532	02:14:40	N	0.60
88	GUNA	GUNA	S-NPP	24.66245	77.09169	02:14:40	N	1.80
89	GUNA	GUNA	S-NPP	24.66584	77.09238	02:14:40	N	1.80
90	GUNA	GUNA	S-NPP	24.66854	77.09706	02:14:40	N	1.10
91	GUNA	GUNA	S-NPP	24.66922	77.09308	02:14:40	N	1.10
92	GUNA	GUNA	S-NPP	24.75599	77.13897	02:14:40	N	0.40
93	GUNA	GUNA	S-NPP	24.75606	77.05650	02:14:40	N	1.50
94	GUNA	GUNA	S-NPP	24.97294	76.99960	02:14:40	N	1.90
95	GUNA	GUNA	S-NPP	25.03009	76.94992	02:14:40	N	2.20

96	GUNA	GUNA	S-NPP	25.03345	76.95061	02:14:40	N	0.90
97	GUNA	RAGHOGARH	S-NPP	24.10576	77.24980	02:14:40	N	1.00
98	HARDA	KHIRKIYAN	S-NPP	22.09364	77.08312	02:14:40	N	0.80
99	HARDA	KHIRKIYAN	S-NPP	22.15597	77.08126	02:14:40	N	5.90
100	HARDA	KHIRKIYAN	S-NPP	22.26179	76.93343	02:14:40	N	1.60
101	HARDA	TIMURNI	S-NPP	22.50926	77.19541	02:14:40	N	3.80
102	HOSHANGABAD	BABAI	S-NPP	22.70791	78.02390	02:14:40	N	1.30
103	HOSHANGABAD	BANKHERI	S-NPP	22.74264	78.51231	02:14:40	N	1.10
104	HOSHANGABAD	BANKHERI	S-NPP	22.87251	78.46078	02:14:40	N	1.90
105	HOSHANGABAD	BANKHERI	S-NPP	22.89017	78.48841	02:14:40	N	0.60
106	HOSHANGABAD	BANKHERI	S-NPP	22.90129	78.51482	13:24:40	D	2.90
107	HOSHANGABAD	PIPARIYA	S-NPP	22.64794	78.31137	02:14:40	N	1.20
108	HOSHANGABAD	PIPARIYA	S-NPP	22.64857	78.30903	02:14:40	N	1.10
109	HOSHANGABAD	PIPARIYA	S-NPP	22.67987	78.41978	13:24:40	D	4.70
110	HOSHANGABAD	PIPARIYA	S-NPP	22.71701	78.30462	02:14:40	N	1.30
111	HOSHANGABAD	PIPARIYA	S-NPP	22.72063	78.30538	02:14:40	N	1.30
112	HOSHANGABAD	PIPARIYA	S-NPP	22.72169	78.36237	02:14:40	N	0.80
113	HOSHANGABAD	PIPARIYA	S-NPP	22.73100	78.38315	13:24:40	D	11.90
114	HOSHANGABAD	PIPARIYA	S-NPP	22.73946	78.34715	02:14:40	N	1.70
115	HOSHANGABAD	PIPARIYA	S-NPP	22.77761	78.36214	02:14:40	N	0.50
116	HOSHANGABAD	PIPARIYA	S-NPP	22.81816	78.40870	02:14:40	N	0.30
117	HOSHANGABAD	PIPARIYA	S-NPP	22.82392	78.37666	02:14:40	N	0.80
118	HOSHANGABAD	PIPARIYA	S-NPP	22.82754	78.37743	02:14:40	N	0.30
119	HOSHANGABAD	PIPARIYA	S-NPP	22.88087	78.41487	02:14:40	N	1.00
120	HOSHANGABAD	PIPARIYA	S-NPP	22.88634	78.39774	13:24:40	D	17.60
121	HOSHANGABAD	PIPARIYA	S-NPP	22.88729	78.42101	02:14:40	N	1.90
122	HOSHANGABAD	PIPARIYA	S-NPP	22.89334	78.37711	13:24:40	D	9.60
123	HOSHANGABAD	PIPARIYA	S-NPP	22.90497	78.34423	02:14:40	N	0.60
124	HOSHANGABAD	PIPARIYA	S-NPP	22.90957	78.39349	13:24:40	D	8.50
125	HOSHANGABAD	PIPARIYA	S-NPP	22.92204	78.36408	13:24:40	D	9.20
126	HOSHANGABAD	PIPARIYA	S-NPP	22.92899	78.37766	02:14:40	N	0.60
127	HOSHANGABAD	SEONI MALWA	AQUA	22.44500	77.48700	02:18:52	N	5.20
128	HOSHANGABAD	SEONI MALWA	S-NPP	22.44484	77.48465	02:14:40	N	1.30

129	HOSHANGABAD	SEONI MALWA	S-NPP	22.48367	77.32317	02:14:40	N	0.50
130	HOSHANGABAD	SEONI MALWA	S-NPP	22.55260	77.34403	02:14:40	N	4.40
131	HOSHANGABAD	SOHAGPUR	S-NPP	22.68313	78.22233	02:14:40	N	0.40
132	HOSHANGABAD	SOHAGPUR	S-NPP	22.71330	78.15881	02:14:40	N	4.20
133	HOSHANGABAD	SOHAGPUR	S-NPP	22.71727	78.17822	02:14:40	N	0.60
134	HOSHANGABAD	SOHAGPUR	S-NPP	22.84150	78.15742	13:24:40	D	5.50
135	HOSHANGABAD	SOHAGPUR	S-NPP	22.86367	78.29727	13:24:40	D	6.40
136	HOSHANGABAD	SOHAGPUR	S-NPP	22.86980	78.24952	13:24:40	D	4.00
137	INDORE	DEPALPUR	AQUA	22.88600	75.60600	02:18:52	N	8.60
138	INDORE	DEPALPUR	S-NPP	22.66660	75.60262	02:14:40	N	0.50
139	INDORE	DEPALPUR	S-NPP	22.71553	75.68362	13:24:40	D	7.00
140	INDORE	DEPALPUR	S-NPP	22.74269	75.53101	02:14:40	N	0.50
141	INDORE	DEPALPUR	S-NPP	22.82471	75.66348	13:24:40	D	39.70
142	INDORE	DEPALPUR	S-NPP	22.84396	75.64555	13:24:40	D	8.60
143	INDORE	DEPALPUR	S-NPP	22.85141	75.61278	02:14:40	N	0.60
144	INDORE	DEPALPUR	S-NPP	22.85858	75.50565	02:14:40	N	1.40
145	INDORE	DEPALPUR	S-NPP	22.85919	75.50189	02:14:40	N	1.40
146	INDORE	DEPALPUR	S-NPP	22.86251	75.50252	02:14:40	N	1.90
147	INDORE	DEPALPUR	S-NPP	22.87330	75.66748	02:14:40	N	1.00
148	INDORE	DEPALPUR	S-NPP	22.88022	75.54071	02:14:40	N	3.70
149	INDORE	DEPALPUR	S-NPP	22.88103	75.55807	13:24:40	D	8.50
150	INDORE	DEPALPUR	S-NPP	22.88293	75.54510	02:14:40	N	0.50
151	INDORE	DEPALPUR	S-NPP	22.88311	75.60716	02:14:40	N	1.60
152	INDORE	DEPALPUR	S-NPP	22.88354	75.54134	02:14:40	N	1.10
153	INDORE	DEPALPUR	S-NPP	22.89138	75.53508	02:14:40	N	0.50
154	INDORE	DEPALPUR	S-NPP	22.89463	75.57832	02:14:40	N	0.50
155	INDORE	DEPALPUR	S-NPP	22.89712	75.60144	02:14:40	N	1.40
156	INDORE	DEPALPUR	S-NPP	22.96025	75.57077	02:14:40	N	0.50
157	INDORE	INDORE	TERRA	22.75900	76.02800	11:25:31	D	57.10
158	INDORE	INDORE	TERRA	22.79100	75.80000	11:25:31	D	76.30
159	INDORE	INDORE	TERRA	22.79400	75.79500	11:25:31	D	71.20
160	INDORE	INDORE	AQUA	22.80100	75.98700	02:18:52	N	9.30
161	INDORE	INDORE	S-NPP	22.71086	76.06392	13:24:40	D	6.60

162	INDORE	INDORE	S-NPP	22.72647	75.98402	13:24:40	D	14.90
163	INDORE	INDORE	S-NPP	22.73790	75.98623	13:24:40	D	19.90
164	INDORE	INDORE	S-NPP	22.75917	76.06879	02:14:40	N	1.10
165	INDORE	INDORE	S-NPP	22.75981	76.06496	02:14:40	N	0.70
166	INDORE	INDORE	S-NPP	22.76857	76.07457	02:14:40	N	0.70
167	INDORE	INDORE	S-NPP	22.78459	75.99873	02:14:40	N	0.80
168	INDORE	INDORE	S-NPP	22.78522	75.99490	02:14:40	N	0.80
169	INDORE	INDORE	S-NPP	22.78793	75.99937	02:14:40	N	0.80
170	INDORE	INDORE	S-NPP	22.78856	75.99555	02:14:40	N	0.80
171	INDORE	INDORE	S-NPP	22.79046	75.98410	02:14:40	N	4.20
172	INDORE	INDORE	S-NPP	22.79317	75.98856	02:14:40	N	1.70
173	INDORE	INDORE	S-NPP	22.79379	75.98475	02:14:40	N	4.20
174	INDORE	INDORE	S-NPP	22.79713	75.98539	02:14:40	N	8.90
175	INDORE	SANWER	TERRA	22.88500	75.72500	11:25:31	D	93.30
176	INDORE	SANWER	TERRA	22.89800	75.73500	11:25:31	D	43.60
177	INDORE	SANWER	TERRA	22.90100	75.86700	11:25:31	D	47.30
178	INDORE	SANWER	TERRA	22.90500	75.86100	11:25:31	D	64.90
179	INDORE	SANWER	AQUA	22.91000	75.86300	02:18:52	N	10.10
180	INDORE	SANWER	S-NPP	22.83575	75.91813	02:14:40	N	2.00
181	INDORE	SANWER	S-NPP	22.83700	75.91052	02:14:40	N	1.40
182	INDORE	SANWER	S-NPP	22.84075	75.97552	13:24:40	D	4.70
183	INDORE	SANWER	S-NPP	22.84110	75.96165	02:14:40	N	0.30
184	INDORE	SANWER	S-NPP	22.86345	75.72787	02:14:40	N	0.80
185	INDORE	SANWER	S-NPP	22.86461	75.84068	02:14:40	N	0.90
186	INDORE	SANWER	S-NPP	22.86794	75.84131	02:14:40	N	1.60
187	INDORE	SANWER	S-NPP	22.87266	75.91666	02:14:40	N	0.50
188	INDORE	SANWER	S-NPP	22.88039	75.89070	02:14:40	N	1.50
189	INDORE	SANWER	S-NPP	22.88165	75.88310	02:14:40	N	0.40
190	INDORE	SANWER	S-NPP	22.88937	75.73218	02:14:40	N	3.30
191	INDORE	SANWER	S-NPP	22.89269	75.73281	02:14:40	N	1.20
192	INDORE	SANWER	S-NPP	22.89601	75.73344	02:14:40	N	1.20
193	INDORE	SANWER	S-NPP	22.90206	75.86351	02:14:40	N	2.90
194	INDORE	SANWER	S-NPP	22.90269	75.85972	02:14:40	N	2.90

195	INDORE	SANWER	S-NPP	22.90351	75.87555	02:14:40	N	0.20
196	INDORE	SANWER	S-NPP	22.90539	75.86415	02:14:40	N	4.90
197	INDORE	SANWER	S-NPP	22.90601	75.86036	02:14:40	N	4.90
198	INDORE	SANWER	S-NPP	22.96530	75.80275	13:24:40	D	10.90
199	INDORE	SANWER	S-NPP	22.97014	75.89980	02:14:40	N	0.60
200	INDORE	SANWER	S-NPP	22.97125	75.81001	02:14:40	N	0.60
201	INDORE	SANWER	S-NPP	22.97520	75.80685	02:14:40	N	0.50
202	INDORE	SANWER	S-NPP	22.99369	75.73622	02:14:40	N	1.20
203	INDORE	SANWER	S-NPP	22.99431	75.73244	02:14:40	N	1.60
204	INDORE	SANWER	S-NPP	22.99763	75.73309	02:14:40	N	1.60
205	INDORE	SANWER	S-NPP	23.00011	75.71798	02:14:40	N	1.40
206	INDORE	SANWER	S-NPP	23.00597	75.82838	02:14:40	N	1.30
207	INDORE	SANWER	S-NPP	23.01552	75.79115	02:14:40	N	1.80
208	INDORE	SANWER	S-NPP	23.01676	75.78357	02:14:40	N	0.70
209	INDORE	SANWER	S-NPP	23.01803	75.83851	02:14:40	N	0.90
210	INDORE	SANWER	S-NPP	23.01884	75.79178	02:14:40	N	0.70
211	INDORE	SANWER	S-NPP	23.01946	75.78799	02:14:40	N	0.70
212	INDORE	SANWER	S-NPP	23.02717	75.82463	02:14:40	N	1.40
213	INDORE	SANWER	S-NPP	23.02801	75.84042	02:14:40	N	1.20
214	JABALPUR	MAJHOULI	S-NPP	23.50348	80.08158	13:24:40	D	24.90
215	JABALPUR	SIHORA	S-NPP	23.42719	80.07503	13:24:40	D	10.10
216	KATNI	BAHURIBAND	S-NPP	23.60968	79.99941	02:14:40	N	13.50
217	KATNI	BAHURIBAND	S-NPP	23.63909	80.07613	02:14:40	N	1.00
218	KATNI	MURBARA	S-NPP	23.90408	80.33004	02:14:40	N	0.40
219	MANDSAUR	MANDSAUR	TERRA	23.93700	75.19000	11:25:31	D	50.00
220	MANDSAUR	MANDSAUR	TERRA	23.93900	75.19700	11:25:31	D	58.00
221	MANDSAUR	MANDSAUR	S-NPP	24.07595	74.95252	02:14:40	N	0.60
222	MANDSAUR	MANDSAUR	S-NPP	24.08735	75.15956	02:14:40	N	0.50
223	MANDSAUR	SITAMAU	AQUA	24.13200	75.41500	02:18:52	N	7.90
224	MANDSAUR	SITAMAU	S-NPP	24.13241	75.40714	02:14:40	N	1.40
225	NARSHIMAPURA	GADARWARA	S-NPP	22.95262	78.67889	02:14:40	N	0.50
226	PANNA	PAWAI	AQUA	24.22700	79.84300	13:11:28	D	22.80
227	PANNA	SHAHNAGAR	S-NPP	23.97039	79.90446	13:24:40	D	7.90

228	RAISEN	BARELI	AQUA	23.02500	78.30900	02:18:52	N	5.00
229	RAISEN	BARELI	AQUA	23.02700	78.29900	02:18:52	N	7.90
230	RAISEN	BARELI	S-NPP	22.80935	78.08415	02:14:40	N	0.70
231	RAISEN	BARELI	S-NPP	22.87174	78.17521	13:24:40	D	2.30
232	RAISEN	BARELI	S-NPP	22.96486	78.32389	02:14:40	N	0.30
233	RAISEN	BARELI	S-NPP	22.96501	78.32232	02:14:40	N	0.30
234	RAISEN	BARELI	S-NPP	22.97964	78.17764	02:14:40	N	1.00
235	RAISEN	BARELI	S-NPP	22.98306	78.32612	02:14:40	N	0.80
236	RAISEN	BARELI	S-NPP	22.99427	78.11604	02:14:40	N	0.50
237	RAISEN	BARELI	S-NPP	22.99863	78.34350	02:14:40	N	1.10
238	RAISEN	BARELI	S-NPP	23.00174	78.24818	13:24:40	D	2.60
239	RAISEN	BARELI	S-NPP	23.00504	78.34956	02:14:40	N	2.50
240	RAISEN	BARELI	S-NPP	23.01697	78.26297	02:14:40	N	0.90
241	RAISEN	BARELI	S-NPP	23.01765	78.30051	02:14:40	N	0.50
242	RAISEN	BARELI	S-NPP	23.01778	78.25848	02:14:40	N	2.40
243	RAISEN	BARELI	S-NPP	23.02057	78.26373	02:14:40	N	6.60
244	RAISEN	BARELI	S-NPP	23.02126	78.30128	02:14:40	N	2.60
245	RAISEN	BARELI	S-NPP	23.02138	78.25923	02:14:40	N	1.20
246	RAISEN	BARELI	S-NPP	23.02207	78.29677	02:14:40	N	2.10
247	RAISEN	BARELI	S-NPP	23.02370	78.28774	02:14:40	N	0.90
248	RAISEN	BARELI	S-NPP	23.02416	78.26448	02:14:40	N	6.60
249	RAISEN	BARELI	S-NPP	23.02486	78.30203	02:14:40	N	2.60
250	RAISEN	BARELI	S-NPP	23.02567	78.29752	02:14:40	N	2.10
251	RAISEN	BARELI	S-NPP	23.02614	78.27423	02:14:40	N	1.50
252	RAISEN	BARELI	S-NPP	23.02695	78.26973	02:14:40	N	0.70
253	RAISEN	BARELI	S-NPP	23.02776	78.26523	02:14:40	N	0.70
254	RAISEN	BARELI	S-NPP	23.02892	78.27949	02:14:40	N	1.50
255	RAISEN	BARELI	S-NPP	23.02974	78.27499	02:14:40	N	1.50
256	RAISEN	BARELI	S-NPP	23.03055	78.27048	02:14:40	N	0.70
257	RAISEN	BARELI	S-NPP	23.03252	78.28024	02:14:40	N	0.70
258	RAISEN	BARELI	S-NPP	23.03855	78.26750	02:14:40	N	0.70
259	RAISEN	BARELI	S-NPP	23.07122	78.28191	13:24:40	D	8.90
260	RAISEN	BARELI	S-NPP	23.07181	78.28568	13:24:40	D	8.90

261	RAISEN	BARELI	S-NPP	23.07451	78.23317	02:14:40	N	0.90
262	RAISEN	BARELI	S-NPP	23.07514	78.28507	13:24:40	D	9.30
263	RAISEN	BARELI	S-NPP	23.16642	77.99773	02:14:40	N	0.60
264	RAISEN	GAIRATGANJ	S-NPP	23.31594	78.15556	13:24:40	D	7.80
265	RAISEN	GAIRATGANJ	S-NPP	23.34942	78.19077	02:14:40	N	0.60
266	RAISEN	GAIRATGANJ	S-NPP	23.39470	78.16406	13:24:40	D	14.70
267	RAISEN	GOHARGANJ	S-NPP	23.08961	77.96119	02:14:40	N	1.20
268	RAISEN	GOHARGANJ	S-NPP	23.09039	77.95683	02:14:40	N	1.20
269	RAISEN	GOHARGANJ	S-NPP	23.11705	77.93077	02:14:40	N	1.10
270	RAISEN	SILVANI	S-NPP	23.16923	78.29264	02:14:40	N	0.50
271	RAISEN	SILVANI	S-NPP	23.22652	78.62003	02:14:40	N	0.70
272	RAISEN	SILVANI	S-NPP	23.26595	78.44219	02:14:40	N	0.60
273	RAISEN	UDAIPURA	AQUA	23.01700	78.42500	02:18:52	N	4.50
274	RAISEN	UDAIPURA	S-NPP	22.98260	78.41098	02:14:40	N	1.40
275	RAISEN	UDAIPURA	S-NPP	22.99499	78.40068	13:24:40	D	21.80
276	RAISEN	UDAIPURA	S-NPP	22.99831	78.40007	13:24:40	D	8.20
277	RAISEN	UDAIPURA	S-NPP	23.01522	78.41785	02:14:40	N	0.80
278	RAISEN	UDAIPURA	S-NPP	23.01801	78.42318	02:14:40	N	4.40
279	RAISEN	UDAIPURA	S-NPP	23.01884	78.41861	02:14:40	N	0.80
280	RAISEN	UDAIPURA	S-NPP	23.03366	78.44079	02:14:40	N	0.70
281	RAISEN	UDAIPURA	S-NPP	23.03898	78.55105	13:24:40	D	5.50
282	RAISEN	UDAIPURA	S-NPP	23.04338	78.42857	02:14:40	N	5.90
283	RAJGARH	BIYAVRA	S-NPP	23.94720	76.92528	02:14:40	N	0.80
284	RAJGARH	JIRAPUR	S-NPP	24.01711	76.28135	02:14:40	N	1.00
285	RAJGARH	NARSINGHGAR	S-NPP	23.54963	76.80852	02:14:40	N	0.50
286	RAJGARH	NARSINGHGAR	S-NPP	23.55302	76.80920	02:14:40	N	0.50
287	RAJGARH	NARSINGHGAR	S-NPP	23.60575	77.03720	02:14:40	N	0.80
288	RATLAM	ALOTOT	S-NPP	23.53018	75.50598	02:14:40	N	0.50
289	RATLAM	ALOTOT	S-NPP	23.80051	75.38470	02:14:40	N	1.00
290	RATLAM	PIPLODA	S-NPP	23.61791	74.91283	02:14:40	N	1.00
291	RATLAM	PIPLODA	S-NPP	23.62180	74.90971	02:14:40	N	0.80
292	RATLAM	RATLAM	S-NPP	23.22650	75.24538	02:14:40	N	0.90
293	RATLAM	RATLAM	S-NPP	23.29345	75.14169	02:14:40	N	1.00

294	RATLAM	RATLAM	S-NPP	23.29784	75.18351	13:24:40	D	7.70
295	RATLAM	RATLAM	S-NPP	23.31966	75.07116	13:24:40	D	6.60
296	SAGAR	BANDA	S-NPP	23.89195	78.94530	02:14:40	N	0.90
297	SAGAR	BANDA	S-NPP	23.98032	78.95192	02:14:40	N	1.00
298	SAGAR	BANDA	S-NPP	23.98399	78.95274	02:14:40	N	0.90
299	SAGAR	BINA	AQUA	24.27000	78.19100	02:18:52	N	4.80
300	SAGAR	BINA	S-NPP	24.07242	78.15053	02:14:40	N	0.80
301	SAGAR	BINA	S-NPP	24.22657	78.07582	02:14:40	N	0.50
302	SAGAR	BINA	S-NPP	24.23128	78.09024	02:14:40	N	0.60
303	SAGAR	BINA	S-NPP	24.23580	78.24910	02:14:40	N	0.50
304	SAGAR	BINA	S-NPP	24.26083	78.19097	02:14:40	N	2.00
305	SAGAR	BINA	S-NPP	24.38541	78.19448	13:24:40	D	7.10
306	SAGAR	DEVRI	S-NPP	23.56979	78.96290	13:24:40	D	5.60
307	SAGAR	KHURAI	S-NPP	24.02664	78.42946	02:14:40	N	0.90
308	SAGAR	KHURAI	S-NPP	24.02744	78.42498	02:14:40	N	1.00
309	SAGAR	KHURAI	S-NPP	24.12612	78.31455	02:14:40	N	0.90
310	SAGAR	SAGAR	AQUA	23.94600	78.52500	13:11:28	D	37.90
311	SAGAR	SAGAR	S-NPP	23.67748	78.54218	13:24:40	D	24.20
312	SAGAR	SAGAR	S-NPP	23.68079	78.54157	13:24:40	D	24.20
313	SAGAR	SAGAR	S-NPP	23.69840	78.50081	02:14:40	N	0.50
314	SAGAR	SAGAR	S-NPP	23.69854	78.50340	02:14:40	N	0.60
315	SAGAR	SAGAR	S-NPP	23.95601	78.52618	13:24:40	D	23.90
316	SAGAR	SAGAR	S-NPP	23.95873	78.52181	13:24:40	D	6.90
317	SAGAR	SAGAR	S-NPP	23.95931	78.52557	13:24:40	D	6.90
318	SATNA	UCHAHAR	S-NPP	24.46527	80.73784	13:24:40	D	9.20
319	SEHORE	AASHTA	S-NPP	23.02148	76.78082	02:14:40	N	2.40
320	SEHORE	AASHTA	S-NPP	23.02174	76.78219	02:14:40	N	1.60
321	SEHORE	BUDHNI	S-NPP	22.77492	77.42112	02:14:40	N	0.30
322	SEHORE	BUDHNI	S-NPP	22.89148	77.81087	02:14:40	N	0.40
323	SEHORE	BUDHNI	S-NPP	22.90955	77.99969	02:14:40	N	0.50
324	SEHORE	BUDHNI	S-NPP	22.91311	78.00044	02:14:40	N	0.50
325	SEHORE	NASRULLAHGANJ	S-NPP	22.69646	77.24717	02:14:40	N	1.10
326	SEHORE	NASRULLAHGANJ	S-NPP	22.75346	77.39947	02:14:40	N	0.70

327	SEHORE	NASRULLAHGANJ	S-NPP	22.81134	77.06593	02:14:40	N	0.90
328	SEHORE	SEHORE	S-NPP	23.28882	77.12198	02:14:40	N	2.40
329	SEHORE	SEHORE	S-NPP	23.28951	77.12344	02:14:40	N	2.00
330	SEHORE	SEHORE	S-NPP	23.29224	77.12268	02:14:40	N	2.40
331	SEHORE	SEHORE	S-NPP	23.31911	77.09043	02:14:40	N	1.80
332	SEONI	GHANSAUR	S-NPP	22.61045	79.80106	13:24:40	D	12.70
333	SEONI	LAKHNADOU	S-NPP	22.34746	79.51369	13:24:40	D	9.10
334	SEONI	LAKHNADOU	S-NPP	22.39275	79.65837	13:24:40	D	4.20
335	SEONI	SEONI	AQUA	22.14000	79.38600	13:11:28	D	120.70
336	SEONI	SEONI	AQUA	22.14300	79.37800	13:11:28	D	66.10
337	SEONI	SEONI	AQUA	22.28800	79.59200	13:11:28	D	73.30
338	SEONI	SEONI	AQUA	22.29200	79.58600	13:11:28	D	71.10
339	SEONI	SEONI	S-NPP	22.14039	79.39797	13:24:40	D	52.10
340	SEONI	SEONI	S-NPP	22.14201	79.38626	13:24:40	D	6.20
341	SEONI	SEONI	S-NPP	22.14314	79.39368	13:24:40	D	10.40
342	SEONI	SEONI	S-NPP	22.24186	79.55061	02:14:40	N	1.10
343	SEONI	SEONI	S-NPP	22.29138	79.59212	13:24:40	D	27.20
344	SHAHDOL	JAIPUR	S-NPP	23.27980	81.78320	13:24:40	D	12.30
345	SHAJAPUR	GULNA	S-NPP	23.29438	76.48755	13:24:40	D	12.70
346	SHAJAPUR	SUJALPUR	S-NPP	23.16574	76.52844	02:14:40	N	1.30
347	SHAJAPUR	SUJALPUR	S-NPP	23.16912	76.52911	02:14:40	N	0.80
348	SHAJAPUR	SUJALPUR	S-NPP	23.17478	76.55708	13:24:40	D	9.30
349	SHAJAPUR	SUJALPUR	S-NPP	23.19313	76.57746	02:14:40	N	0.40
350	SHEOPUR	SHEOPUR	S-NPP	25.57838	76.71616	02:14:40	N	0.70
351	SHIVPURI	KOLARAS	S-NPP	24.92359	77.74005	02:14:40	N	0.70
352	SINGRAULI	CHITRANGI	S-NPP	24.62555	82.68797	13:24:40	D	7.40
353	TIKAMGARH	BALDEOGARH	S-NPP	24.74203	79.29178	13:24:40	D	10.20
354	UJJAIN	BARNAGAR	S-NPP	22.93896	75.32330	02:14:40	N	0.40
355	UJJAIN	BARNAGAR	S-NPP	23.15733	75.56845	02:14:40	N	0.60
356	UJJAIN	BARNAGAR	S-NPP	23.16236	75.45325	02:14:40	N	0.70
357	UJJAIN	BARNAGAR	S-NPP	23.16567	75.45388	02:14:40	N	0.70
358	UJJAIN	BARNAGAR	S-NPP	23.16628	75.45013	02:14:40	N	0.70
359	UJJAIN	BARNAGAR	S-NPP	23.17179	75.54972	13:24:40	D	14.80

360	UJJAIN	BARNAGAR	S-NPP	23.17540	75.54898	13:24:40	D	14.10
361	UJJAIN	BARNAGAR	S-NPP	23.23908	75.46392	02:14:40	N	1.10
362	UJJAIN	GHATIYA	AQUA	23.33100	75.85500	02:18:52	N	7.00
363	UJJAIN	GHATIYA	AQUA	23.33200	75.84400	02:18:52	N	6.90
364	UJJAIN	GHATIYA	S-NPP	23.25880	75.71516	02:14:40	N	3.50
365	UJJAIN	GHATIYA	S-NPP	23.32251	75.84377	02:14:40	N	17.50
366	UJJAIN	GHATIYA	S-NPP	23.32584	75.84439	02:14:40	N	17.50
367	UJJAIN	GHATIYA	S-NPP	23.36034	75.90584	02:14:40	N	0.90
368	UJJAIN	GHATIYA	S-NPP	23.36366	75.90648	02:14:40	N	0.90
369	UJJAIN	GHATIYA	S-NPP	23.38069	75.96062	02:14:40	N	1.00
370	UJJAIN	GHATIYA	S-NPP	23.39802	75.89729	02:14:40	N	0.80
371	UJJAIN	KACHROD	S-NPP	23.35505	75.20325	02:14:40	N	1.00
372	UJJAIN	MEHIDPUR	S-NPP	23.38584	75.70769	02:14:40	N	1.50
373	UJJAIN	MEHIDPUR	S-NPP	23.38854	75.71210	02:14:40	N	1.50
374	UJJAIN	MEHIDPUR	S-NPP	23.43365	75.70110	02:14:40	N	1.00
375	UJJAIN	MEHIDPUR	S-NPP	23.47584	75.72733	13:24:40	D	10.80
376	UJJAIN	MEHIDPUR	S-NPP	23.48456	75.80834	02:14:40	N	0.60
377	UJJAIN	MEHIDPUR	S-NPP	23.56727	75.73766	02:14:40	N	0.70
378	UJJAIN	MEHIDPUR	S-NPP	23.61587	75.81726	02:14:40	N	1.10
379	UJJAIN	MEHIDPUR	S-NPP	23.62754	75.75337	13:24:40	D	7.70
380	UJJAIN	MEHIDPUR	S-NPP	23.70079	75.81554	13:24:40	D	19.90
381	UJJAIN	NAGDA	S-NPP	23.51881	75.44962	02:14:40	N	0.50
382	UJJAIN	NAGDA	S-NPP	23.52212	75.45025	02:14:40	N	0.50
383	UJJAIN	NAGDA	S-NPP	23.54377	75.44274	02:14:40	N	0.60
384	UJJAIN	NAGDA	S-NPP	23.54437	75.43899	02:14:40	N	0.70
385	UJJAIN	TARANA	S-NPP	23.31281	76.15270	02:14:40	N	0.70
386	UJJAIN	TARANA	S-NPP	23.31322	76.04609	02:14:40	N	0.90
387	UJJAIN	TARANA	S-NPP	23.31615	76.15337	02:14:40	N	0.70
388	UJJAIN	TARANA	S-NPP	23.38850	76.01717	02:14:40	N	0.90
389	UJJAIN	TARANA	S-NPP	23.46388	75.97672	02:14:40	N	1.10
390	UJJAIN	TARANA	S-NPP	23.46721	75.97736	02:14:40	N	1.10
391	UJJAIN	UJJAIN	S-NPP	23.03626	75.74826	02:14:40	N	0.80
392	UJJAIN	UJJAIN	S-NPP	23.03802	75.67463	02:14:40	N	2.70

393	UJJAIN	UJJAIN	S-NPP	23.03864	75.67086	02:14:40	N	1.10
394	UJJAIN	UJJAIN	S-NPP	23.04196	75.67149	02:14:40	N	1.10
395	UJJAIN	UJJAIN	S-NPP	23.04228	75.75332	02:14:40	N	0.40
396	UJJAIN	UJJAIN	S-NPP	23.04684	75.74640	02:14:40	N	0.60
397	UJJAIN	UJJAIN	S-NPP	23.04961	75.81331	02:14:40	N	0.30
398	UJJAIN	UJJAIN	S-NPP	23.05016	75.74704	02:14:40	N	0.60
399	UJJAIN	UJJAIN	S-NPP	23.05648	75.83416	02:14:40	N	0.30
400	UJJAIN	UJJAIN	S-NPP	23.05772	75.82658	02:14:40	N	0.40
401	UJJAIN	UJJAIN	S-NPP	23.07687	75.70927	02:14:40	N	2.30
402	UJJAIN	UJJAIN	S-NPP	23.07944	75.75654	02:14:40	N	0.90
403	UJJAIN	UJJAIN	S-NPP	23.08080	75.70613	02:14:40	N	1.10
404	UJJAIN	UJJAIN	S-NPP	23.08252	75.73762	02:14:40	N	1.60
405	UJJAIN	UJJAIN	S-NPP	23.08412	75.70676	02:14:40	N	1.10
406	UJJAIN	UJJAIN	S-NPP	23.08556	75.76126	13:24:40	D	13.50
407	UJJAIN	UJJAIN	S-NPP	23.09210	75.75817	02:14:40	N	0.50
408	UJJAIN	UJJAIN	S-NPP	23.11952	75.72207	13:24:40	D	12.50
409	VIDESHA	BASODA	AQUA	23.75400	78.05600	02:18:52	N	6.30
410	VIDESHA	BASODA	AQUA	23.86000	78.17800	13:11:28	D	48.00
411	VIDESHA	BASODA	S-NPP	23.72549	78.03729	02:14:40	N	3.30
412	VIDESHA	BASODA	S-NPP	23.74866	78.05116	02:14:40	N	1.60
413	VIDESHA	BASODA	S-NPP	23.74942	78.04684	02:14:40	N	1.60
414	VIDESHA	BASODA	S-NPP	23.75173	78.03381	02:14:40	N	0.50
415	VIDESHA	BASODA	S-NPP	23.75219	78.05191	02:14:40	N	1.60
416	VIDESHA	BASODA	S-NPP	23.75295	78.04758	02:14:40	N	1.60
417	VIDESHA	BASODA	S-NPP	23.75572	78.05266	02:14:40	N	1.40
418	VIDESHA	BASODA	S-NPP	23.76219	78.21546	02:14:40	N	0.50
419	VIDESHA	BASODA	S-NPP	23.77102	78.08250	13:24:40	D	7.70
420	VIDESHA	BASODA	S-NPP	23.81860	77.98338	02:14:40	N	0.40
421	VIDESHA	BASODA	S-NPP	23.82720	77.87402	02:14:40	N	0.20
422	VIDESHA	BASODA	S-NPP	23.82796	77.86977	02:14:40	N	0.90
423	VIDESHA	BASODA	S-NPP	23.86706	78.19334	13:24:40	D	9.00
424	VIDESHA	GYARASPUR	AQUA	23.60700	77.98900	02:18:52	N	11.20
425	VIDESHA	GYARASPUR	AQUA	23.64100	78.02100	02:18:52	N	5.30

426	VIDESHA	GYARASPUR	AQUA	23.64200	78.01100	02:18:52	N	7.50
427	VIDESHA	GYARASPUR	S-NPP	23.51607	78.02813	13:24:40	D	7.10
428	VIDESHA	GYARASPUR	S-NPP	23.56688	78.20587	13:24:40	D	8.20
429	VIDESHA	GYARASPUR	S-NPP	23.59420	78.03298	13:24:40	D	8.30
430	VIDESHA	GYARASPUR	S-NPP	23.59481	78.03679	13:24:40	D	8.50
431	VIDESHA	GYARASPUR	S-NPP	23.59953	77.99047	02:14:40	N	0.90
432	VIDESHA	GYARASPUR	S-NPP	23.60030	77.98615	02:14:40	N	2.90
433	VIDESHA	GYARASPUR	S-NPP	23.60192	78.16823	13:24:40	D	11.70
434	VIDESHA	GYARASPUR	S-NPP	23.60305	77.99120	02:14:40	N	0.90
435	VIDESHA	GYARASPUR	S-NPP	23.60383	77.98689	02:14:40	N	2.90
436	VIDESHA	GYARASPUR	S-NPP	23.61794	77.98981	02:14:40	N	0.50
437	VIDESHA	GYARASPUR	S-NPP	23.61871	77.98549	02:14:40	N	0.50
438	VIDESHA	GYARASPUR	S-NPP	23.62204	77.99255	13:24:40	D	6.10
439	VIDESHA	GYARASPUR	S-NPP	23.62300	77.98192	02:14:40	N	0.50
440	VIDESHA	GYARASPUR	S-NPP	23.63800	77.91803	02:14:40	N	0.60
441	VIDESHA	GYARASPUR	S-NPP	23.63876	77.91373	02:14:40	N	1.00
442	VIDESHA	GYARASPUR	S-NPP	23.63955	78.01234	02:14:40	N	2.60
443	VIDESHA	GYARASPUR	S-NPP	23.64308	78.01308	02:14:40	N	2.60
444	VIDESHA	GYARASPUR	S-NPP	23.64878	78.24905	13:24:40	D	7.50
445	VIDESHA	GYARASPUR	S-NPP	23.65766	78.03419	02:14:40	N	2.30
446	VIDESHA	GYARASPUR	S-NPP	23.66119	78.03493	02:14:40	N	2.30
447	VIDESHA	GYARASPUR	S-NPP	23.68936	78.20714	13:24:40	D	10.80
448	VIDESHA	GYARASPUR	S-NPP	23.68954	78.19737	02:14:40	N	1.70
449	VIDESHA	GYARASPUR	S-NPP	23.69917	78.00026	02:14:40	N	0.70
450	VIDESHA	KORWAI	S-NPP	24.01024	77.98671	13:24:40	D	11.40
451	VIDESHA	KORWAI	S-NPP	24.01356	77.98610	13:24:40	D	11.40
452	VIDESHA	KORWAI	S-NPP	24.02208	78.06329	02:14:40	N	0.30
453	VIDESHA	KORWAI	S-NPP	24.25621	78.07314	02:14:40	N	1.20
454	VIDESHA	LETERI	S-NPP	24.03427	77.43761	02:14:40	N	5.00
455	VIDESHA	LETERI	S-NPP	24.11422	77.54306	02:14:40	N	1.20
456	VIDESHA	LETERI	S-NPP	24.11766	77.54378	02:14:40	N	1.20
457	VIDESHA	SIRANJ	S-NPP	24.06100	77.84487	02:14:40	N	0.80
458	VIDESHA	SIRANJ	S-NPP	24.21308	77.55768	02:14:40	N	1.40

459	WEST NIMAR	KHARGON	S-NPP	21.81264	75.55569	13:24:40	D	10.90
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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 wheat mask for the Punjab, Haryana and Uttar Pradesh were provided by MNCFC, MoA&FW, Govt of India
The rabi crop mask for Delhi 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)
