



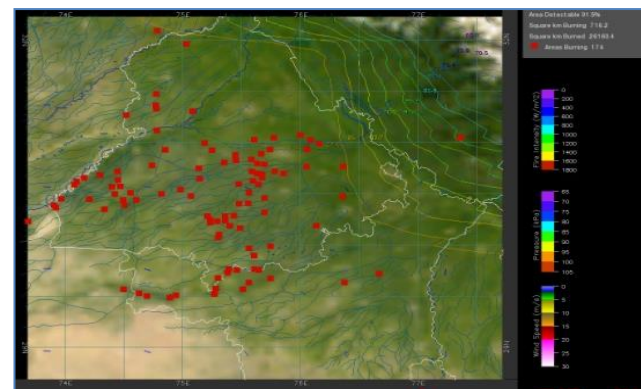
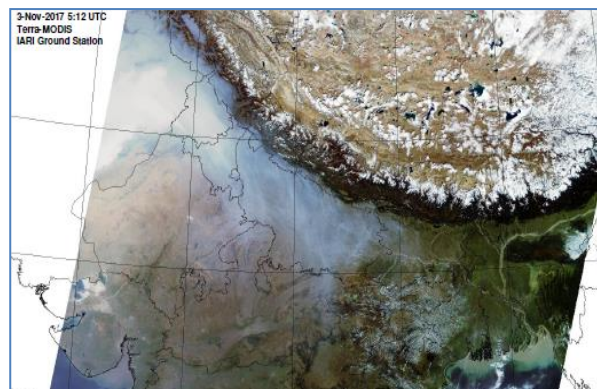
Bulletin No. 23

Events Date:
23-Apr-2023

Issued on:
23-Apr-2023



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



Prepared by:

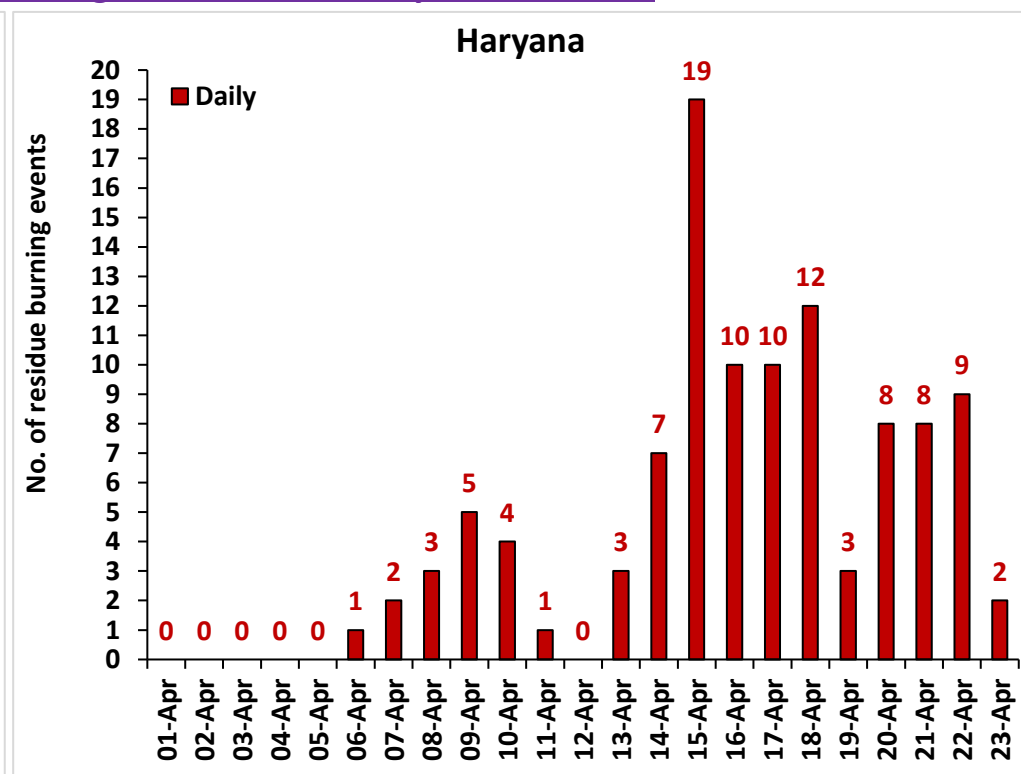
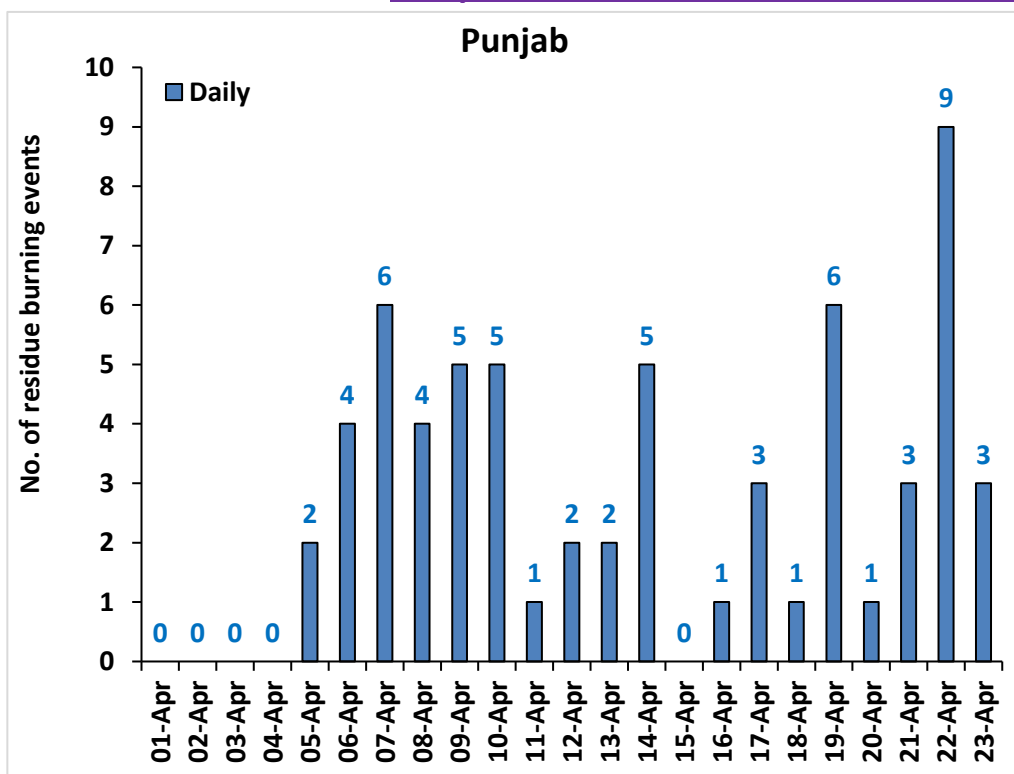
Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

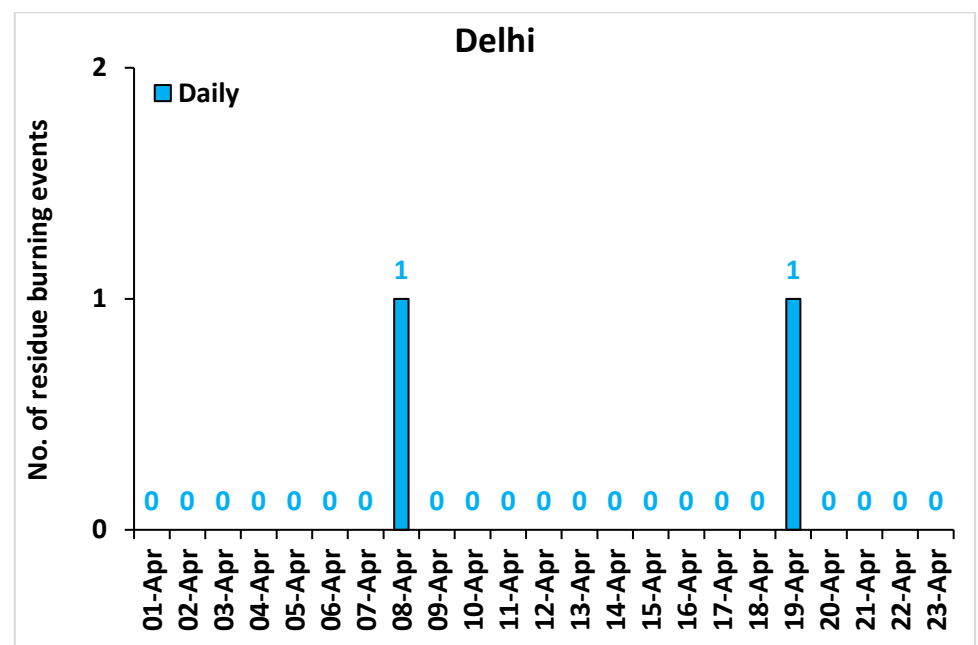
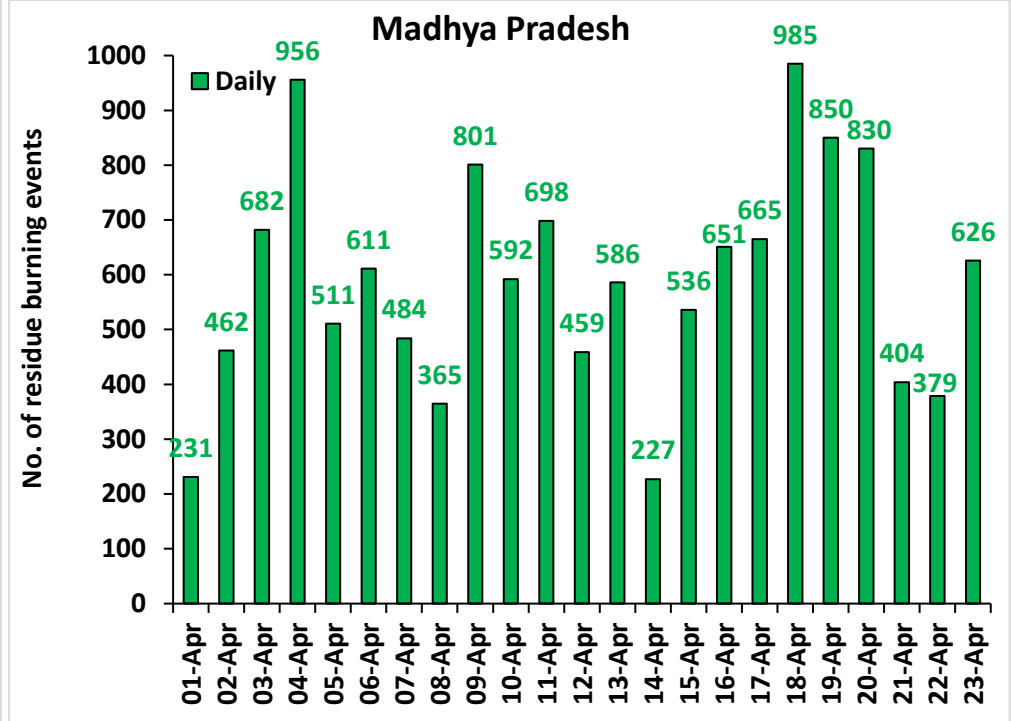
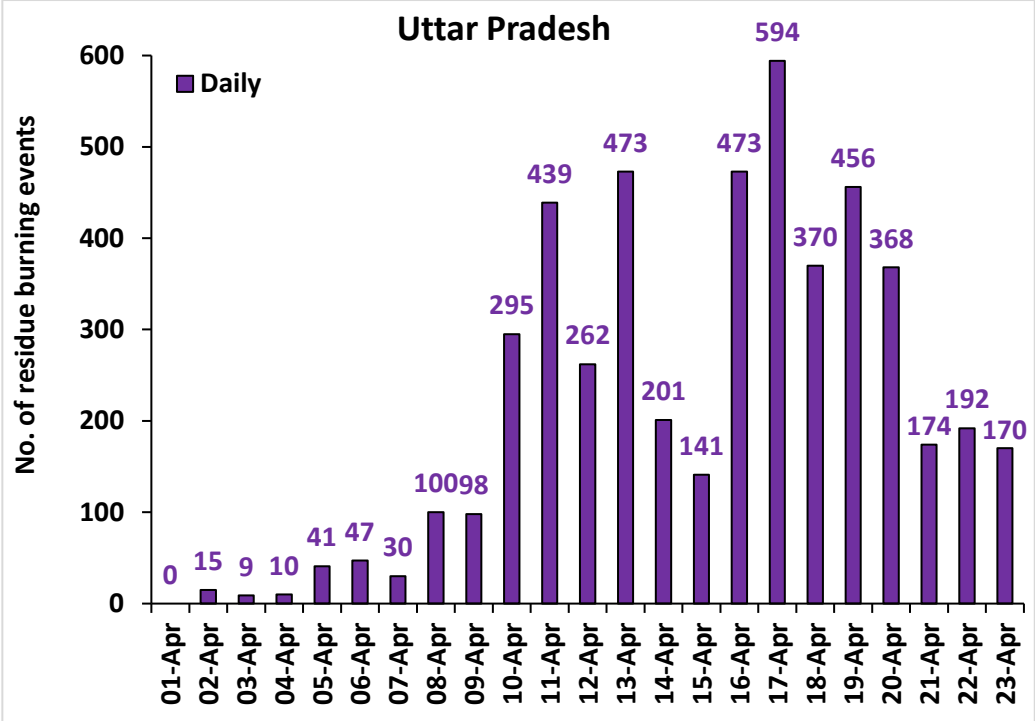
<http://creams.iari.res.in/cms2/>

Highlights for 23-April-2023

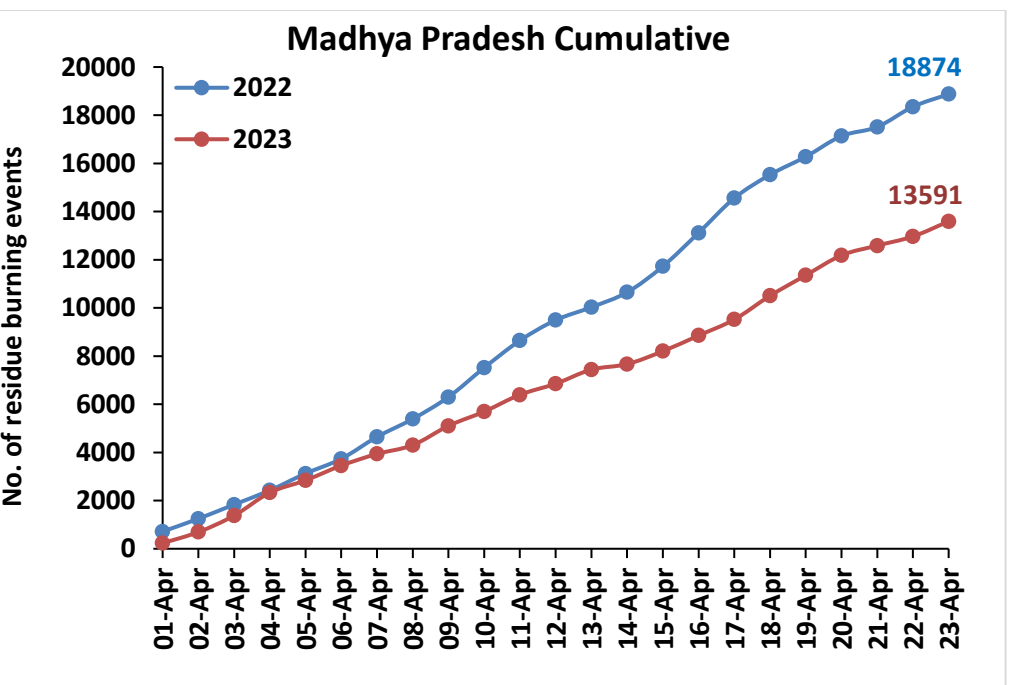
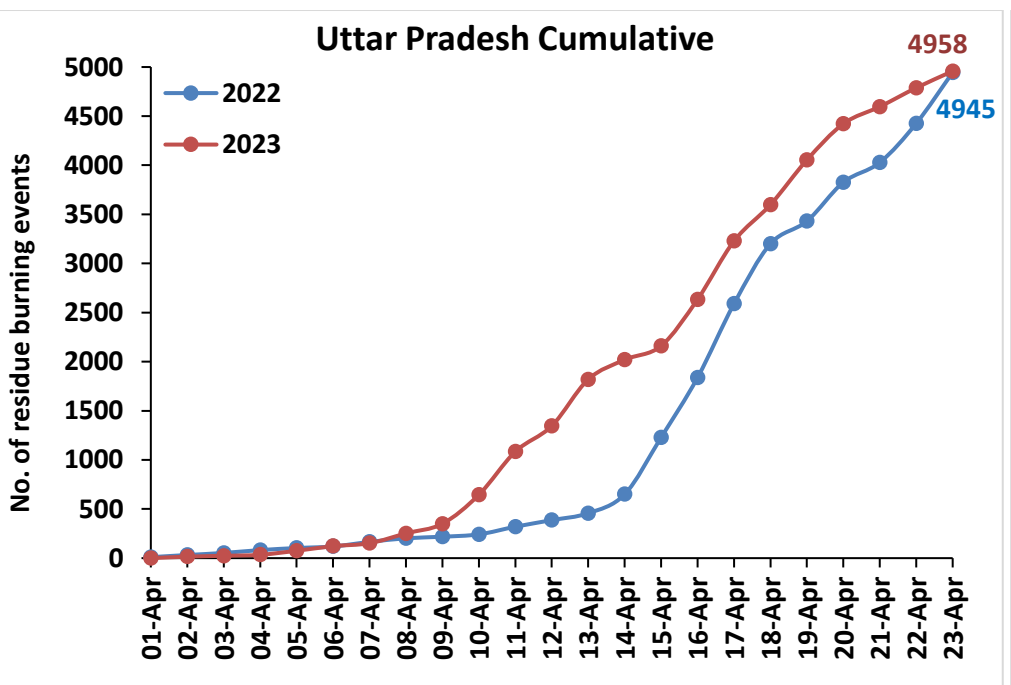
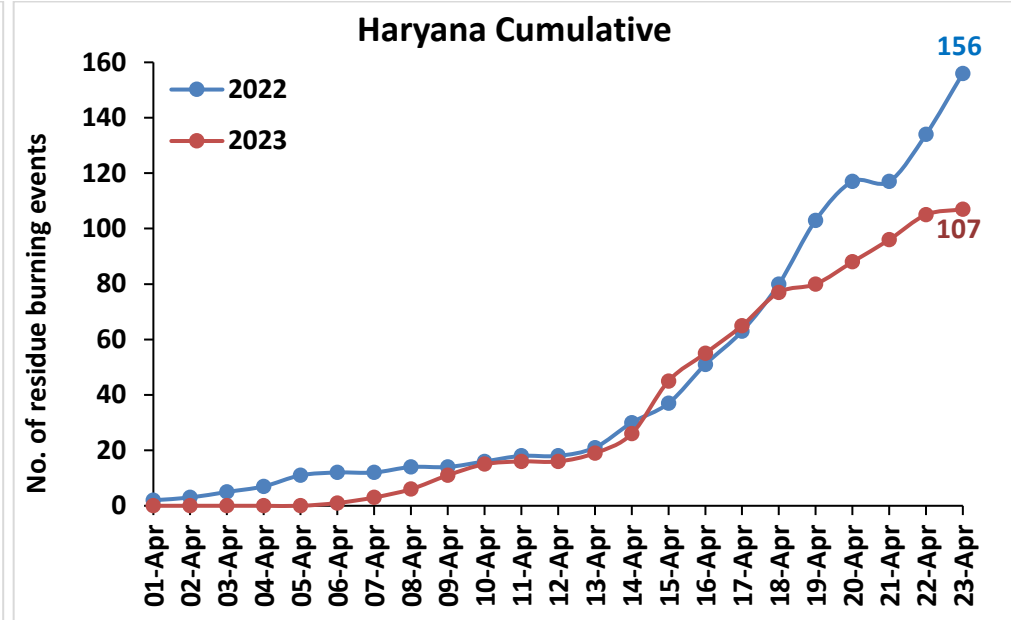
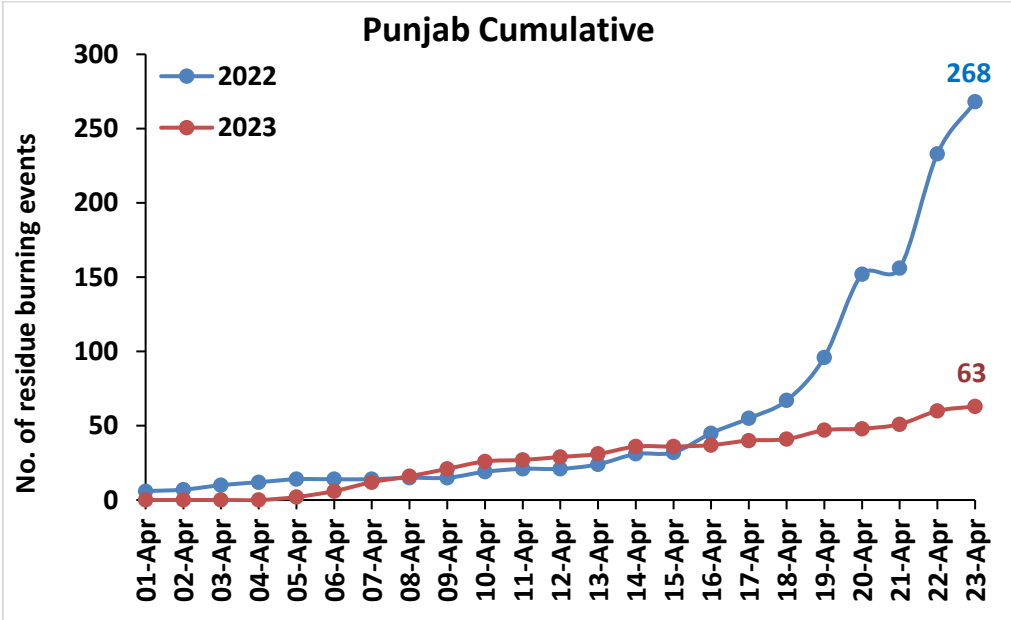
- The active fire events due to wheat residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **801** residue burning events in the five study States on 23-Apr-2023.
- The state wise events detected on 23-Apr-2023 were **03** in Punjab, **02** in Haryana, **00** in Delhi, **170** in Uttar Pradesh and **626** in Madhya Pradesh.
- The number of events has increased from **589** on 22-Apr-2023 to **801** on 23-Apr-2023 in the five study states.
- Total **18719** burning events were detected in the five states between 01-Apr-2023 and 23-Apr-2023, which are distributed as **63, 107, 4958, 02, and 13591** in Punjab, Haryana, UP, Delhi, and MP, respectively.

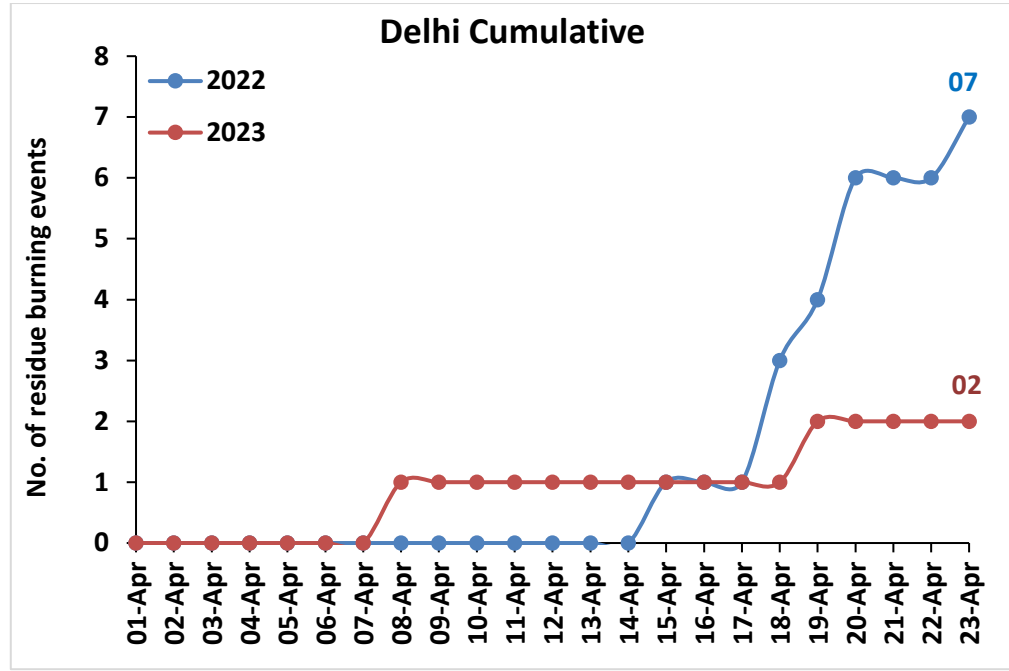
Temporal distribution of wheat residue burning events for the study States in 2023





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: 01-23 April)

(a) Punjab

District	01-23 Apr	
	2022	2023
Amritsar	7	4
Barnala	5	2
Bathinda	12	8
Faridkot	15	4
Fatehgarh Sahib	0	1
Fazilka	37	3
Firozpur	30	1
Gurdaspur	7	8
Hoshiarpur	8	2
Jalandhar	12	4
Kapurthala	7	2
Ludhiana	12	2
Mansa	20	3
Moga	21	0
Muktsar	4	1
Pathankot	2	3
Patiala	23	6
Rupnagar	1	0
Sangrur	32	6
SAS NAGAR (Mohali)	1	0
SBS Nagar	8	2
Tarn Taran	4	1
Total	268	63

(b) Haryana

District	01-23 Apr	
	2022	2023
AMBALA	4	2
BHIWANI	4	3
CHARKHI DADRI	4	0
FARIDABAD	4	1
FATEHABAD	3	2
GURGAON	5	5
HISAR	4	6
JHAJJAR	11	8
JIND	10	3
KAITHAL	13	2
KARNAL	10	2
KURUKSHETRA	6	4
MAHENDRAGARH	0	0
MEWAT	0	1
PALWAL	20	19
PANCHKULA	0	0
PANIPAT	17	1
REWARI	3	1
ROHTAK	2	5
SIRSA	11	30
SONIPAT	22	10
YAMUNANAGAR	3	2
Total	156	107

(c) Uttar Pradesh

District	01-23 Apr							
	2022	2023	GAUTAMBUDHNAGAR	9	7	MUZAFARNAGAR	23	16
			GAZIPUR	3	23	PILHIBHIT	74	19
AGRA	0	0	GHAZIABAD	9	3	PRATAPGARH	12	13
ALIGARH	11	20	GONDA	5	18	RAIBEARELI	40	5
ALLAHABAD	23	10	GORAKHPUR	184	334	RAMPUR	45	8
AMBEDKARNAGAR	4	3	HAMIRPUR	5	5	SANTKABIRNAGAR	422	408
AURAIYA	37	7	HARDOI	40	14	SANTRAVIDASNAGAR	0	1
AZAMGARH	7	56	JALAUN	7	1	SHAHJAHANPUR	67	3
BADAUN	5	2	JAUNPUR	8	4	SHARANPUR	15	2
BAGHPAT	2	1	JHANSI	20	21	SHRAWASTI	38	19
BAHRAICH	34	14	JYOTIBAPHULE NAGAR	2	1	SIDDHARTH NAGAR	2005	1807
BALLIA	15	136	KANNAUJ	0	0	SITAPUR	10	9
BALRAMPUR	101	66	KANPUR	5	0	SONBHADRA	71	16
BANDA	3	1	KANPUR DEHAT	13	0	SULTANPUR	14	16
BARABANKI	5	2	KAUSHAMBI	2	2	UNNAO	24	2
BAREILLY	27	9	KHERI	79	32	VARANASI	1	0
BASTI	212	199	KUSHINAGAR	34	85	Total	4945	4958
BIJNOR	20	13	LACKNOW	2	0			
BULANDSAHAR	4	4	LALITPUR	19	25			
CHANDAULI	45	16	MAHAMAYANAGAR	0	1			
CHITRAKOOT	14	1	MAHARAJGANJ	897	961			
DEORIA	104	401	MAHOBA	2	12			
ETAH	0	0	MAINPURI	1	2			
ETAWAH	1	0	MATHURA	18	26			
FAIZABAD	1	7	MAU	5	39			
FARRUKHABAD	2	2	MEERUT	3	6			
FATEHPUR	18	5	MIRZAPUR	13	4			
FIROZABAD	1	0	MORADABAD	3	13			

(d) Madhya Pradesh

District	01-23 Apr				
	2022	2023			
			PANNA	57	47
ALIRAJPUR	0	0	RAISEN	2021	1114
ANUPPUR	19	1	RAJGARH	57	122
ASHOKNAGAR	389	167	RATLAM	80	217
BALAGHAT	17	0	REWA	25	10
BARWANI	4	4	SAGAR	520	393
BETUL	107	28	SATNA	245	67
BHIND	9	4	SEHORE	735	553
BHOPAL	591	310	SEONI	1093	406
BURHANPUR	8	1	SHAHDOL	72	8
CHHATARPUR	69	34	SHAJAPUR	190	420
CHHINDWARA	241	162	SHEOPUR	149	263
DAMOH	145	189	SHIVPURI	79	54
DATIA	40	31	SIDHI	16	0
DEWAS	458	525	SINGRAULI	67	3
DHAR	907	841	TIKAMGARH	16	26
DINDORI	31	3	UJJAIN	760	1430
EAST NIMAR	61	96	UMARIA	24	3
GUNA	378	289	VIDESHA	2811	1151
GWALIOR	53	84	WEST NIMAR	15	30
HARDA	341	237	Total	18874	13591
HOSHANGABAD	4054	2750			
INDORE	847	970			
JABALPUR	686	311			
JHABUA	2	4			
KATNI	183	58			
MANDLA	54	10			
MANDSAUR	30	65			
MORENA	2	0			
NARSHIMAPURA	106	77			
NIMACH	10	23			

(e) Delhi

District	01-23 Apr	
	2022	2023
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	7	0
NORTH EAST	0	0
NORTH WEST DELHI	0	0
SHAHADRA	0	0
SOUTH	0	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	1
WEST DELHI	0	1
Total	7	2

State-wise and date-wise number of wheat residue burning events detected in 2022 and 2023
(Period: 01-23 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
13-Apr	3	2	3	3	70	473	0	0	537	586
14-Apr	7	5	9	7	193	201	0	0	618	227
15-Apr	1	0	7	19	579	141	1	0	1079	536
16-Apr	13	1	14	10	609	473	0	0	1390	651
17-Apr	10	3	12	10	751	594	0	0	1441	665
18-Apr	12	1	17	12	611	370	2	0	972	985
19-Apr	29	6	23	3	231	456	1	1	748	850
20-Apr	56	1	14	8	395	368	2	0	856	830
21-Apr	4	3	0	8	202	174	0	0	379	404
22-Apr	77	9	17	9	398	192	0	0	839	379
23-Apr	35	3	22	2	519	170	1	0	524	626
Total	268	63	156	107	4945	4958	7	2	18874	13591

Details of residue burning events in Punjab on 23-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BATHINDA	TALWANDI SABO	TERRA	29.84200	75.11900	10:44:49	D	12.90
2	PATHANKOT	NAROT JAIMAL SINGH	TERRA	32.21300	75.38100	10:44:49	D	11.70
3	PATIALA	PATIALA	S-NPP	30.40321	76.45945	02:08:31	N	0.20

Details of residue burning events in Haryana on 23-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	GURGAON	PATAUDI	S-NPP	28.30708	76.76194	02:08:31	N	0.60
2	KURUKSHETRA	LADWA	S-NPP	29.95107	77.05316	02:08:31	N	0.30

Details of residue burning events in Uttar Pradesh on 23-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.46844	82.61705	13:18:31	D	8.30
2	AZAMGARH	LALGANJ	S-NPP	25.80563	82.81818	13:18:31	D	12.10
3	AZAMGARH	LALGANJ	S-NPP	25.80621	82.82251	13:18:31	D	12.10
4	AZAMGARH	LALGANJ	S-NPP	25.86296	82.95706	13:18:31	D	17.50
5	AZAMGARH	MEHNAGAR	S-NPP	25.86606	83.08192	13:18:31	D	14.70
6	BALLIA	BELTHARA ROAD	S-NPP	26.09010	83.80268	02:08:31	N	0.60
7	BALLIA	RASRA	TERRA	25.93900	83.81200	10:44:49	D	29.00
8	BALLIA	RASRA	TERRA	25.94800	83.80900	10:44:49	D	28.10
9	BALLIA	RASRA	TERRA	25.98900	83.94800	10:44:49	D	32.00
10	BALLIA	RASRA	TERRA	25.99500	83.93500	10:44:49	D	32.00
11	BALLIA	SIKANDARPUR	S-NPP	26.04601	84.08234	13:18:31	D	13.00
12	BALRAMPUR	TULSIPUR	S-NPP	27.36249	82.48528	13:18:31	D	8.80
13	BALRAMPUR	TULSIPUR	S-NPP	27.37186	82.50178	13:18:31	D	8.90
14	BALRAMPUR	TULSIPUR	S-NPP	27.54607	82.63017	13:18:31	D	7.20
15	BALRAMPUR	TULSIPUR	TERRA	27.37000	82.50200	10:44:49	D	17.30
16	BAREILLY	BAHERI	S-NPP	28.69885	79.53057	13:18:31	D	2.60
17	BAREILLY	BAHERI	S-NPP	28.70157	79.52602	13:18:31	D	3.20
18	BAREILLY	BAHERI	S-NPP	28.70216	79.52994	13:18:31	D	3.20
19	BAREILLY	BAHERI	S-NPP	28.76233	79.57101	13:18:31	D	4.70
20	BASTI	BHANPUR	S-NPP	26.90977	82.74171	02:08:31	N	0.70
21	BASTI	BHANPUR	S-NPP	26.91370	82.74268	02:08:31	N	0.70
22	BASTI	BHANPUR	S-NPP	26.91763	82.74363	02:08:31	N	2.60
23	BASTI	BHANPUR	S-NPP	26.92156	82.74459	02:08:31	N	2.60
24	BASTI	BHANPUR	S-NPP	26.93728	82.74844	02:08:31	N	1.20
25	BASTI	BHANPUR	S-NPP	26.94121	82.74940	02:08:31	N	1.50
26	BASTI	RUDHAULI	S-NPP	26.90072	82.82999	02:08:31	N	1.10
27	BASTI	RUDHAULI	S-NPP	26.99227	82.79349	02:08:31	N	0.70
28	BASTI	RUDHAULI	S-NPP	27.00283	82.88694	02:08:31	N	2.90
29	BASTI	RUDHAULI	S-NPP	27.01187	82.75671	02:08:31	N	1.10

30	CHANDAULI	CHANDAULI	S-NPP	25.21282	83.08401	13:18:31	D	12.80
31	CHANDAULI	CHANDAULI	S-NPP	25.34803	83.45868	13:18:31	D	22.40
32	CHANDAULI	CHANDAULI	S-NPP	25.35879	83.48482	13:18:31	D	24.50
33	CHANDAULI	CHANDAULI	S-NPP	25.36180	83.47971	13:18:31	D	21.30
34	DEORIA	BARHAJ	S-NPP	26.29507	83.76295	13:18:31	D	9.20
35	DEORIA	BARHAJ	S-NPP	26.36518	83.75227	13:18:31	D	19.90
36	DEORIA	BARHAJ	TERRA	26.34600	83.63300	10:44:49	D	17.60
37	DEORIA	BARHAJ	TERRA	26.34900	83.64700	10:44:49	D	20.50
38	DEORIA	SALEMPUR	S-NPP	26.17400	83.94078	13:18:31	D	10.80
39	DEORIA	SALEMPUR	S-NPP	26.23248	83.88400	13:18:31	D	8.20
40	FATEHPUR	FATEHPUR	S-NPP	25.93925	80.69143	13:18:31	D	10.00
41	FATEHPUR	KHAGA	S-NPP	25.75874	81.22047	13:18:31	D	11.70
42	GAZIPUR	GAZIPUR	S-NPP	25.78423	83.58975	13:18:31	D	10.60
43	GAZIPUR	MUHAMMADBAD	S-NPP	25.59180	83.91450	13:18:31	D	11.20
44	GONDA	MANKAPUR	S-NPP	27.05330	82.54475	02:08:31	N	0.70
45	GORAKHPUR	BANSGAON	S-NPP	26.51121	83.31097	02:08:31	N	1.10
46	GORAKHPUR	BANSGAON	S-NPP	26.51205	83.30457	13:18:31	D	14.70
47	GORAKHPUR	BANSGAON	S-NPP	26.53615	83.34818	13:18:31	D	10.50
48	GORAKHPUR	BANSGAON	S-NPP	26.53733	83.36332	02:08:31	N	0.70
49	GORAKHPUR	BANSGAON	S-NPP	26.60450	83.41487	02:08:31	N	1.30
50	GORAKHPUR	CAMPIERGANJ	S-NPP	26.92304	83.21285	13:18:31	D	18.90
51	GORAKHPUR	CAMPIERGANJ	S-NPP	26.95097	83.27809	02:08:31	N	0.90
52	GORAKHPUR	CAMPIERGANJ	S-NPP	26.95171	83.25291	02:08:31	N	0.60
53	GORAKHPUR	CAMPIERGANJ	S-NPP	26.95250	83.24889	02:08:31	N	0.70
54	GORAKHPUR	CAMPIERGANJ	S-NPP	27.02125	83.17117	13:18:31	D	9.80
55	GORAKHPUR	CHAURI CHAURA	S-NPP	26.61039	83.49612	13:18:31	D	9.10
56	GORAKHPUR	CHAURI CHAURA	S-NPP	26.61404	83.49556	13:18:31	D	9.10
57	GORAKHPUR	GORAKHPUR	S-NPP	26.77884	83.48307	13:18:31	D	12.70
58	GORAKHPUR	GORAKHPUR	S-NPP	26.78020	83.48613	13:18:31	D	8.00
59	GORAKHPUR	GORAKHPUR	S-NPP	26.78971	83.54057	02:08:31	N	0.60
60	GORAKHPUR	GORAKHPUR	S-NPP	26.80424	83.53757	13:18:31	D	15.60
61	GORAKHPUR	GORAKHPUR	S-NPP	26.80791	83.53700	13:18:31	D	12.10
62	GORAKHPUR	GORAKHPUR	S-NPP	26.87207	83.42689	13:18:31	D	15.80
63	GORAKHPUR	KHAJNI	S-NPP	26.60030	83.15681	02:08:31	N	1.10

64	GORAKHPUR	KHAJNI	S-NPP	26.61887	83.14878	02:08:31	N	0.60
65	GORAKHPUR	KHAJNI	S-NPP	26.65376	83.18694	02:08:31	N	1.00
66	GORAKHPUR	KHAJNI	S-NPP	26.65781	83.18795	02:08:31	N	1.00
67	GORAKHPUR	KHAJNI	TERRA	26.61600	83.14200	10:44:49	D	16.60
68	GORAKHPUR	SAHJANWA	S-NPP	26.69166	83.14001	02:08:31	N	0.70
69	GORAKHPUR	SAHJANWA	S-NPP	26.81131	83.15323	13:18:31	D	13.70
70	GORAKHPUR	SAHJANWA	S-NPP	26.82812	83.16942	13:18:31	D	12.30
71	GORAKHPUR	SAHJANWA	S-NPP	26.87736	83.22176	02:08:31	N	0.90
72	GORAKHPUR	SAHJANWA	S-NPP	26.87824	83.22260	02:08:31	N	0.90
73	HAMIRPUR	RATH	S-NPP	25.61097	79.58562	02:08:31	N	0.90
74	JHANSI	JHANSI	S-NPP	25.51884	78.50645	02:08:31	N	0.80
75	JHANSI	MAURANIPUR	S-NPP	25.29174	79.01931	02:08:31	N	1.50
76	JHANSI	MAURANIPUR	S-NPP	25.33018	79.14558	02:08:31	N	0.70
77	JHANSI	TAHRAULI	S-NPP	25.64861	79.06834	02:08:31	N	0.40
78	KHERI	GOLA	TERRA	28.16600	80.50200	10:44:49	D	27.20
79	KUSHINAGAR	HATA	S-NPP	26.85566	83.60480	02:08:31	N	1.50
80	KUSHINAGAR	HATA	S-NPP	26.86914	83.71085	02:08:31	N	0.40
81	KUSHINAGAR	HATA	S-NPP	26.88404	83.72363	02:08:31	N	0.80
82	KUSHINAGAR	HATA	S-NPP	26.88495	83.72193	02:08:31	N	1.20
83	KUSHINAGAR	HATA	S-NPP	26.89238	83.72829	02:08:31	N	0.40
84	KUSHINAGAR	KASAYA	S-NPP	26.62401	84.00859	13:18:31	D	9.10
85	KUSHINAGAR	KASAYA	S-NPP	26.62442	84.01048	13:18:31	D	8.60
86	KUSHINAGAR	KASAYA	S-NPP	26.67190	84.02382	13:18:31	D	6.10
87	KUSHINAGAR	PADRAUNA	S-NPP	26.99617	83.82362	13:18:31	D	3.70
88	LALITPUR	KHAGA	S-NPP	24.44403	78.62297	02:08:31	N	0.60
89	LALITPUR	LALITPUR	S-NPP	24.55915	78.35419	02:08:31	N	0.70
90	LALITPUR	LALITPUR	S-NPP	24.55981	78.35026	02:08:31	N	0.70
91	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.97028	83.64528	02:08:31	N	0.40
92	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.98632	83.33427	13:18:31	D	8.50
93	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.98839	83.66320	02:08:31	N	0.50
94	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.98996	83.33370	13:18:31	D	7.90
95	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.00926	83.60207	02:08:31	N	0.40
96	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.09448	83.63484	02:08:31	N	1.20
97	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10583	83.68646	02:08:31	N	0.70

98	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10726	83.68487	02:08:31	N	1.10
99	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.11172	83.65690	02:08:31	N	0.80
100	MAHARAJGANJ	MAHARAJGANJ	TERRA	27.04500	83.39800	10:44:49	D	24.90
101	MAHARAJGANJ	MAHARAJGANJ	TERRA	27.05200	83.40700	10:44:49	D	39.10
102	MAHARAJGANJ	NAUTANWA	S-NPP	27.43154	83.61816	13:18:31	D	8.00
103	MAHARAJGANJ	NAUTANWA	S-NPP	27.44211	83.45693	13:18:31	D	11.70
104	MAHARAJGANJ	NICHLAUL	S-NPP	27.23540	83.62913	02:08:31	N	0.40
105	MAHARAJGANJ	NICHLAUL	S-NPP	27.23673	83.62756	02:08:31	N	0.60
106	MAHARAJGANJ	NICHLAUL	TERRA	27.27600	83.65700	10:44:49	D	21.70
107	MAHARAJGANJ	PHARENDA	S-NPP	27.16059	83.15725	13:18:31	D	27.50
108	MUZAFARNAGAR	KHATOLI	TERRA	29.31900	77.69500	10:44:49	D	16.30
109	MUZAFARNAGAR	KHATOLI	TERRA	29.32000	77.68500	10:44:49	D	9.80
110	PRATAPGARH	PATTI	S-NPP	25.95370	82.29230	13:18:31	D	10.50
111	RAIBEARELI	TILOI	S-NPP	26.27829	81.43636	02:08:31	N	0.90
112	SANTKABIRNAGAR	Ghanghata	S-NPP	26.55768	83.11830	02:08:31	N	0.40
113	SANTKABIRNAGAR	Ghanghata	S-NPP	26.56172	83.11930	02:08:31	N	0.40
114	SANTKABIRNAGAR	Ghanghata	S-NPP	26.56394	83.04533	13:18:31	D	20.20
115	SANTKABIRNAGAR	Ghanghata	S-NPP	26.56954	83.09890	02:08:31	N	0.60
116	SANTKABIRNAGAR	Ghanghata	S-NPP	26.56967	83.10031	02:08:31	N	0.50
117	SANTKABIRNAGAR	Ghanghata	S-NPP	26.58082	83.08495	02:08:31	N	0.80
118	SANTKABIRNAGAR	Ghanghata	S-NPP	26.59770	83.06411	02:08:31	N	0.50
119	SANTKABIRNAGAR	Ghanghata	S-NPP	26.67386	83.04138	02:08:31	N	0.50
120	SANTKABIRNAGAR	Ghanghata	TERRA	26.52900	83.15800	10:44:49	D	20.30
121	SANTKABIRNAGAR	Ghanghata	TERRA	26.65400	82.92800	10:44:49	D	15.90
122	SANTKABIRNAGAR	Ghanghata	TERRA	26.65500	82.92300	10:44:49	D	22.00
123	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.71804	83.06396	13:18:31	D	19.30
124	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.71939	83.06495	13:18:31	D	13.30
125	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.79642	82.95099	02:08:31	N	0.50
126	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.79793	82.94322	02:08:31	N	0.60
127	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.82192	83.01732	02:08:31	N	0.80
128	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.82397	83.08102	13:18:31	D	8.50
129	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.82920	83.08171	13:18:31	D	18.80
130	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.85520	82.97640	02:08:31	N	0.70
131	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.87674	83.10100	02:08:31	N	0.30

132	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.93835	82.93967	02:08:31	N	0.50
133	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.95859	83.00565	02:08:31	N	0.20
134	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.98277	83.15829	13:18:31	D	12.70
135	SANTKABIRNAGAR	MEHDAWAL	S-NPP	26.98307	83.09378	02:08:31	N	1.10
136	SANTKABIRNAGAR	MEHDAWAL	S-NPP	27.00206	82.97565	02:08:31	N	0.40
137	SHRAWASTI	BHINGA	S-NPP	27.61337	82.04678	13:18:31	D	7.10
138	SHRAWASTI	BHINGA	S-NPP	27.90856	81.70837	13:18:31	D	5.50
139	SHRAWASTI	IKAUNA	S-NPP	27.67864	81.73271	13:18:31	D	6.20
140	SIDDHARTHANAGAR	BANSI	S-NPP	27.02847	82.90013	13:18:31	D	31.60
141	SIDDHARTHANAGAR	BANSI	S-NPP	27.09990	82.93000	02:08:31	N	0.40
142	SIDDHARTHANAGAR	BANSI	S-NPP	27.13924	82.91960	02:08:31	N	1.00
143	SIDDHARTHANAGAR	BANSI	S-NPP	27.15971	83.09100	13:18:31	D	16.90
144	SIDDHARTHANAGAR	BANSI	S-NPP	27.24650	82.89586	13:18:31	D	10.30
145	SIDDHARTHANAGAR	BANSI	TERRA	27.01800	82.91000	10:44:49	D	35.70
146	SIDDHARTHANAGAR	BANSI	TERRA	27.02100	82.89400	10:44:49	D	29.90
147	SIDDHARTHANAGAR	DOMARIYAGANJ	S-NPP	27.11852	82.77216	02:08:31	N	0.70
148	SIDDHARTHANAGAR	ITWA	S-NPP	27.29535	82.90094	02:08:31	N	1.20
149	SIDDHARTHANAGAR	ITWA	S-NPP	27.31989	82.84228	13:18:31	D	5.30
150	SIDDHARTHANAGAR	ITWA	S-NPP	27.33509	82.63472	13:18:31	D	9.60
151	SIDDHARTHANAGAR	ITWA	S-NPP	27.35304	82.52290	13:18:31	D	8.10
152	SIDDHARTHANAGAR	ITWA	S-NPP	27.39468	82.64789	13:18:31	D	5.30
153	SIDDHARTHANAGAR	ITWA	TERRA	27.29700	82.84100	10:44:49	D	13.60
154	SIDDHARTHANAGAR	ITWA	TERRA	27.33200	82.52500	10:44:49	D	17.10
155	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.15776	83.16571	13:18:31	D	6.30
156	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.23426	83.06973	13:18:31	D	19.20
157	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.23786	83.06916	13:18:31	D	12.60
158	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.26872	83.01400	13:18:31	D	14.50
159	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.33149	83.13201	13:18:31	D	17.10
160	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.33511	83.13144	13:18:31	D	17.10
161	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.33520	83.09955	02:08:31	N	0.30
162	SIDDHARTHANAGAR	NAUGARH	S-NPP	27.41954	83.09644	13:18:31	D	19.00
163	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.34567	82.96040	02:08:31	N	0.90
164	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.36234	83.00765	02:08:31	N	1.10
165	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.37371	82.96642	13:18:31	D	12.70

166	SIDDHARTHANAGAR	SHOHRATGARH	S-NPP	27.44374	83.02608	13:18:31	D	16.10
167	SIDDHARTHANAGAR	SHOHRATGARH	TERRA	27.49000	82.93800	10:44:49	D	22.80
168	SITAPUR	LAHARPUR	S-NPP	27.77213	80.82587	13:18:31	D	1.90
169	SITAPUR	MAHMUDABAD	S-NPP	27.39183	81.24174	13:18:31	D	3.60
170	SULTANPUR	GAURIGANJ	S-NPP	26.18102	81.64777	13:18:31	D	8.70

Details of wheat residue burning events in Madhya Pradesh on 23-Apr-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.42900	77.51298	02:08:31	N	0.40
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43153	77.56053	02:08:31	N	0.60
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43485	77.56118	02:08:31	N	0.60
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43609	77.55357	02:08:31	N	0.90
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.44210	77.55866	02:08:31	N	0.70
6	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.49276	77.72591	02:08:31	N	0.80
7	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.49608	77.72655	02:08:31	N	0.80
8	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56508	77.49210	02:08:31	N	0.60
9	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.57981	77.50670	02:08:31	N	2.20
10	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.75232	77.61301	02:08:31	N	1.20
11	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.75563	77.61365	02:08:31	N	1.60
12	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.75625	77.60983	02:08:31	N	1.60
13	ASHOKNAGAR	ASHOKNAGAR	TERRA	24.65500	77.63700	10:44:49	D	9.90
14	ASHOKNAGAR	ISAGARH	S-NPP	24.68285	77.81348	02:08:31	N	0.50
15	ASHOKNAGAR	ISAGARH	S-NPP	24.69095	77.70039	02:08:31	N	0.40
16	ASHOKNAGAR	ISAGARH	S-NPP	24.70485	77.69915	02:08:31	N	0.50
17	ASHOKNAGAR	ISAGARH	S-NPP	24.80732	77.73807	02:08:31	N	0.80
18	ASHOKNAGAR	MUNGAOLI	S-NPP	24.33942	78.07792	02:08:31	N	0.50
19	ASHOKNAGAR	MUNGAOLI	S-NPP	24.34148	78.08636	02:08:31	N	1.10
20	ASHOKNAGAR	MUNGAOLI	S-NPP	24.34212	78.08247	02:08:31	N	1.10
21	ASHOKNAGAR	MUNGAOLI	S-NPP	24.34277	78.07858	02:08:31	N	0.50
22	ASHOKNAGAR	MUNGAOLI	S-NPP	24.38447	78.11893	02:08:31	N	1.30
23	ASHOKNAGAR	MUNGAOLI	S-NPP	24.51217	78.18279	13:18:31	D	11.80
24	ASHOKNAGAR	MUNGAOLI	TERRA	24.33300	77.93400	10:44:49	D	24.60
25	ASHOKNAGAR	MUNGAOLI	TERRA	24.33500	77.92400	10:44:49	D	46.60
26	ASHOKNAGAR	MUNGAOLI	TERRA	24.54200	78.14200	10:44:49	D	38.70
27	BHOPAL	BERASIYA	S-NPP	23.54934	77.37783	02:08:31	N	0.70
28	BHOPAL	BERASIYA	S-NPP	23.55265	77.37847	02:08:31	N	1.10
29	BHOPAL	BERASIYA	S-NPP	23.58568	77.39946	02:08:31	N	0.30

30	BHOPAL	BERASIYA	S-NPP	23.60034	77.35149	02:08:31	N	1.00
31	BHOPAL	BERASIYA	S-NPP	23.60697	77.35275	02:08:31	N	0.90
32	BHOPAL	BERASIYA	S-NPP	23.60759	77.34897	02:08:31	N	1.00
33	BHOPAL	BERASIYA	S-NPP	23.63983	77.23436	02:08:31	N	0.40
34	BHOPAL	BERASIYA	S-NPP	23.64520	77.39130	02:08:31	N	1.00
35	BHOPAL	BERASIYA	S-NPP	23.65043	77.54906	02:08:31	N	0.50
36	BHOPAL	BERASIYA	S-NPP	23.65286	77.54935	02:08:31	N	0.50
37	BHOPAL	BERASIYA	S-NPP	23.66471	77.47710	02:08:31	N	0.60
38	BHOPAL	BERASIYA	S-NPP	23.66803	77.47772	02:08:31	N	0.60
39	BHOPAL	BERASIYA	S-NPP	23.67424	77.43977	02:08:31	N	1.40
40	BHOPAL	BERASIYA	S-NPP	23.69817	77.62894	02:08:31	N	0.60
41	BHOPAL	BERASIYA	S-NPP	23.70150	77.62959	02:08:31	N	1.10
42	BHOPAL	BERASIYA	S-NPP	23.71832	77.52663	02:08:31	N	2.10
43	BHOPAL	BERASIYA	S-NPP	23.72590	77.43793	02:08:31	N	0.60
44	BHOPAL	BERASIYA	S-NPP	23.73973	77.54254	02:08:31	N	0.40
45	BHOPAL	BERASIYA	S-NPP	23.74306	77.54318	02:08:31	N	0.60
46	BHOPAL	BERASIYA	S-NPP	23.74638	77.54383	02:08:31	N	0.60
47	BHOPAL	BERASIYA	S-NPP	23.87799	77.29432	02:08:31	N	1.00
48	BHOPAL	BERASIYA	S-NPP	23.87860	77.29053	02:08:31	N	1.00
49	BHOPAL	BERASIYA	TERRA	23.66200	77.48400	10:44:49	D	10.00
50	BHOPAL	BERASIYA	TERRA	23.66300	77.47500	10:44:49	D	10.50
51	BHOPAL	HUZUR	S-NPP	23.10427	77.42438	02:08:31	N	0.60
52	BHOPAL	HUZUR	S-NPP	23.10760	77.42502	02:08:31	N	0.60
53	BHOPAL	HUZUR	S-NPP	23.17983	77.54063	02:08:31	N	0.70
54	BHOPAL	HUZUR	S-NPP	23.18108	77.53300	02:08:31	N	0.80
55	BHOPAL	HUZUR	S-NPP	23.18379	77.53746	02:08:31	N	0.80
56	BHOPAL	HUZUR	S-NPP	23.18650	77.54192	02:08:31	N	0.80
57	BHOPAL	HUZUR	S-NPP	23.20554	77.29890	02:08:31	N	0.70
58	BHOPAL	HUZUR	S-NPP	23.20615	77.29511	02:08:31	N	0.70
59	BHOPAL	HUZUR	S-NPP	23.20885	77.29952	02:08:31	N	0.70
60	BHOPAL	HUZUR	S-NPP	23.21156	77.30395	02:08:31	N	0.30
61	BHOPAL	HUZUR	S-NPP	23.21218	77.30016	02:08:31	N	1.20
62	BHOPAL	HUZUR	S-NPP	23.21402	77.28883	02:08:31	N	0.50

63	BHOPAL	HUZUR	S-NPP	23.25393	77.25359	02:08:31	N	0.80
64	BHOPAL	HUZUR	S-NPP	23.28172	77.24651	02:08:31	N	0.90
65	BHOPAL	HUZUR	S-NPP	23.31256	77.43583	02:08:31	N	1.00
66	BHOPAL	HUZUR	S-NPP	23.31983	77.43330	02:08:31	N	0.80
67	BHOPAL	HUZUR	S-NPP	23.32092	77.46874	02:08:31	N	0.50
68	BHOPAL	HUZUR	S-NPP	23.32636	77.37197	02:08:31	N	2.10
69	BHOPAL	HUZUR	S-NPP	23.33301	77.37325	02:08:31	N	1.50
70	BHOPAL	HUZUR	S-NPP	23.36152	77.32404	02:08:31	N	2.20
71	BHOPAL	HUZUR	S-NPP	23.37538	77.46259	02:08:31	N	1.90
72	BHOPAL	HUZUR	S-NPP	23.37870	77.46323	02:08:31	N	1.90
73	CHHATARPUR	BARAMALEHRA	S-NPP	24.46754	79.06210	02:08:31	N	0.60
74	CHHATARPUR	CHHATARPUR	S-NPP	24.80576	79.66592	02:08:31	N	0.60
75	CHHATARPUR	CHHATARPUR	S-NPP	24.80851	79.67096	02:08:31	N	0.60
76	DAMOH	BATIAGARH	S-NPP	24.02691	79.26793	02:08:31	N	0.30
77	DAMOH	BATIAGARH	S-NPP	24.14646	79.51486	02:08:31	N	0.80
78	DAMOH	BATIAGARH	S-NPP	24.15445	79.48994	02:08:31	N	0.40
79	DAMOH	DAMOH	S-NPP	23.51213	79.36694	02:08:31	N	0.40
80	DAMOH	DAMOH	S-NPP	23.51563	79.36765	02:08:31	N	0.30
81	DAMOH	PATERA	S-NPP	23.94936	79.62301	02:08:31	N	0.60
82	DAMOH	PATERA	S-NPP	23.95288	79.62374	02:08:31	N	0.60
83	DAMOH	PATHARIA	S-NPP	23.87995	79.27580	02:08:31	N	0.50
84	DAMOH	PATHARIA	S-NPP	23.88343	79.27654	02:08:31	N	0.50
85	DAMOH	PATHARIA	S-NPP	23.96615	79.30058	02:08:31	N	2.40
86	DATIA	BHANDER	S-NPP	25.60218	78.69824	02:08:31	N	1.20
87	DEWAS	DEWAS	S-NPP	22.80614	76.13914	13:18:31	D	12.80
88	DEWAS	DEWAS	S-NPP	22.82374	76.07595	02:08:31	N	0.60
89	DEWAS	DEWAS	S-NPP	22.87849	76.20456	02:08:31	N	0.50
90	DEWAS	DEWAS	S-NPP	22.89352	76.19714	13:18:31	D	10.40
91	DEWAS	DEWAS	TERRA	22.80700	76.14300	10:44:49	D	18.50
92	DEWAS	DEWAS	TERRA	23.07600	76.06900	10:44:49	D	25.70
93	DEWAS	DEWAS	TERRA	23.09500	76.06200	10:44:49	D	9.00
94	DEWAS	KHATEGOAN	TERRA	22.69600	76.90500	10:44:49	D	19.90
95	DEWAS	SONKACH	S-NPP	22.94929	76.37817	02:08:31	N	1.30

96	DEWAS	SONKACH	TERRA	22.95800	76.37600	10:44:49	D	11.90
97	DEWAS	SONKACH	TERRA	23.04900	76.31900	10:44:49	D	15.50
98	DEWAS	TONK KHURD	S-NPP	23.04780	76.16302	13:18:31	D	17.40
99	DHAR	BADNAWAR	S-NPP	22.72324	75.22298	02:08:31	N	0.80
100	DHAR	BADNAWAR	S-NPP	23.08311	75.23685	02:08:31	N	1.20
101	DHAR	BADNAWAR	TERRA	22.77800	75.23400	10:44:49	D	42.50
102	DHAR	BADNAWAR	TERRA	22.77900	75.22400	10:44:49	D	20.60
103	DHAR	DHAR	S-NPP	22.51806	75.52022	13:18:31	D	20.40
104	DHAR	DHAR	S-NPP	22.61643	75.37209	02:08:31	N	0.40
105	DHAR	DHAR	TERRA	22.66300	75.40100	10:44:49	D	11.00
106	DHAR	SARDARPUR	TERRA	22.84300	75.02600	10:44:49	D	10.20
107	EAST NIMAR	HARSUD	S-NPP	21.98840	76.71089	02:08:31	N	0.40
108	GUNA	ARON	S-NPP	24.27841	77.48177	02:08:31	N	0.50
109	GUNA	ARON	S-NPP	24.27903	77.47797	02:08:31	N	0.50
110	GUNA	ARON	S-NPP	24.28172	77.48241	02:08:31	N	0.80
111	GUNA	ARON	S-NPP	24.28234	77.47861	02:08:31	N	0.80
112	GUNA	ARON	S-NPP	24.35617	77.44112	02:08:31	N	0.70
113	GUNA	ARON	S-NPP	24.37431	77.51908	02:08:31	N	0.40
114	GUNA	ARON	S-NPP	24.37762	77.51972	02:08:31	N	0.70
115	GUNA	ARON	S-NPP	24.46623	77.47311	02:08:31	N	0.20
116	GUNA	ARON	S-NPP	24.47678	77.47123	02:08:31	N	0.40
117	GUNA	ARON	TERRA	24.28500	77.45700	10:44:49	D	26.60
118	GUNA	ARON	TERRA	24.28700	77.44800	10:44:49	D	9.90
119	GUNA	ARON	TERRA	24.40800	77.49500	10:44:49	D	7.10
120	GUNA	ARON	TERRA	24.41000	77.48600	10:44:49	D	13.80
121	GUNA	ARON	TERRA	24.47700	77.47300	10:44:49	D	9.10
122	GUNA	ARON	TERRA	24.50500	77.46800	10:44:49	D	8.80
123	GUNA	GUNA	S-NPP	24.54818	77.40657	02:08:31	N	1.00
124	GUNA	GUNA	S-NPP	24.60842	77.13721	02:08:31	N	1.00
125	GUNA	GUNA	S-NPP	24.60902	77.13345	02:08:31	N	1.00
126	GUNA	GUNA	S-NPP	24.61233	77.13407	02:08:31	N	1.00
127	GUNA	GUNA	S-NPP	24.66429	77.12839	02:08:31	N	0.60
128	GUNA	GUNA	S-NPP	24.66547	77.07802	02:08:31	N	0.40

129	GUNA	GUNA	S-NPP	24.72531	77.42412	02:08:31	N	0.60
130	GUNA	GUNA	S-NPP	24.72852	77.46783	02:08:31	N	0.80
131	GUNA	GUNA	S-NPP	24.72924	77.10091	02:08:31	N	0.70
132	GUNA	GUNA	S-NPP	24.77532	76.93849	02:08:31	N	0.70
133	GUNA	GUNA	S-NPP	24.84775	77.14610	02:08:31	N	0.30
134	GUNA	GUNA	S-NPP	24.92088	77.17465	02:08:31	N	0.70
135	GUNA	RAGHOGARH	S-NPP	24.28351	77.17442	02:08:31	N	2.70
136	GUNA	RAGHOGARH	S-NPP	24.43215	77.11639	02:08:31	N	0.90
137	GUNA	RAGHOGARH	S-NPP	24.48007	77.13234	02:08:31	N	0.70
138	GWALIOR	BHITARWAR	S-NPP	25.85201	78.08668	02:08:31	N	0.50
139	GWALIOR	BHITARWAR	S-NPP	25.85915	78.06414	02:08:31	N	0.70
140	GWALIOR	BHITARWAR	S-NPP	25.85948	78.02029	02:08:31	N	0.70
141	GWALIOR	BHITARWAR	S-NPP	25.85978	78.06027	02:08:31	N	0.70
142	GWALIOR	BHITARWAR	S-NPP	25.86217	78.02483	02:08:31	N	2.00
143	GWALIOR	BHITARWAR	S-NPP	25.86280	78.02096	02:08:31	N	2.00
144	GWALIOR	BHITARWAR	S-NPP	25.86612	78.02162	02:08:31	N	2.00
145	GWALIOR	BHITARWAR	S-NPP	25.92588	78.03352	02:08:31	N	1.00
146	GWALIOR	BHITARWAR	S-NPP	25.92971	78.17832	02:08:31	N	1.20
147	GWALIOR	BHITARWAR	S-NPP	25.93304	78.17899	02:08:31	N	0.30
148	GWALIOR	BHITARWAR	S-NPP	25.93367	78.17511	02:08:31	N	1.40
149	GWALIOR	DABRA	S-NPP	25.83049	78.25880	02:08:31	N	0.40
150	GWALIOR	DABRA	S-NPP	25.84855	78.27451	02:08:31	N	0.40
151	GWALIOR	DABRA	S-NPP	25.85387	78.24653	13:18:31	D	138.70
152	GWALIOR	DABRA	S-NPP	25.85533	78.29602	02:08:31	N	0.40
153	GWALIOR	DABRA	S-NPP	25.86293	78.22913	02:08:31	N	0.90
154	GWALIOR	DABRA	S-NPP	25.86831	78.23825	02:08:31	N	0.30
155	GWALIOR	DABRA	S-NPP	25.86895	78.23436	02:08:31	N	0.60
156	GWALIOR	DABRA	S-NPP	25.91987	78.41782	02:08:31	N	0.60
157	GWALIOR	DABRA	S-NPP	25.92052	78.41390	02:08:31	N	1.80
158	HARDA	HARDA	S-NPP	22.44846	76.94743	02:08:31	N	0.50
159	HOSHANGABAD	ITARSI	S-NPP	22.56958	77.78291	02:08:31	N	1.00
160	HOSHANGABAD	SEONI MALWA	S-NPP	22.55544	77.29241	02:08:31	N	0.40
161	INDORE	DEPALPUR	S-NPP	22.67818	75.63791	13:18:31	D	22.70

162	INDORE	DEPALPUR	S-NPP	22.81772	75.43977	13:18:31	D	5.20
163	INDORE	INDORE	S-NPP	22.74509	76.08781	13:18:31	D	8.70
164	INDORE	INDORE	TERRA	22.63000	75.76300	10:44:49	D	10.20
165	INDORE	INDORE	TERRA	22.63600	75.98600	10:44:49	D	10.80
166	INDORE	INDORE	TERRA	22.68600	75.95500	10:44:49	D	7.80
167	INDORE	INDORE	TERRA	22.70000	76.12000	10:44:49	D	26.50
168	INDORE	INDORE	TERRA	22.79600	75.76200	10:44:49	D	23.20
169	INDORE	INDORE	TERRA	22.79700	75.75300	10:44:49	D	14.70
170	INDORE	SANWER	S-NPP	22.82298	75.74531	13:18:31	D	11.20
171	INDORE	SANWER	S-NPP	22.82392	75.81198	02:08:31	N	0.60
172	INDORE	SANWER	S-NPP	22.95120	75.84939	13:18:31	D	12.30
173	JABALPUR	JABALPUR	S-NPP	23.33390	79.99895	13:18:31	D	7.70
174	KATNI	DHIMERKHEDA	S-NPP	23.43298	80.37814	13:18:31	D	10.00
175	KATNI	DHIMERKHEDA	S-NPP	23.45469	80.32035	13:18:31	D	5.70
176	KATNI	DHIMERKHEDA	S-NPP	23.61593	80.26782	13:18:31	D	5.70
177	KATNI	DHIMERKHEDA	TERRA	23.60100	80.33600	10:44:49	D	13.70
178	MANDSAUR	MALHARGARH	TERRA	24.15800	75.03400	10:44:49	D	9.40
179	MANDSAUR	MANDSAUR	S-NPP	23.98297	75.08882	13:18:31	D	10.90
180	MANDSAUR	MANDSAUR	S-NPP	24.07402	75.21288	02:08:31	N	0.40
181	MANDSAUR	MANDSAUR	TERRA	23.95900	74.93800	10:44:49	D	7.40
182	MANDSAUR	MANDSAUR	TERRA	24.02000	75.10200	10:44:49	D	57.50
183	MANDSAUR	SITAMAU	TERRA	24.05900	75.43000	10:44:49	D	24.20
184	NIMACH	JAWAD	S-NPP	24.61527	74.99117	02:08:31	N	0.60
185	NIMACH	NIMACH	S-NPP	24.32031	74.95937	02:08:31	N	1.80
186	NIMACH	NIMACH	S-NPP	24.34006	74.96684	02:08:31	N	0.80
187	PANNA	GUNAUR	S-NPP	24.46743	80.26656	02:08:31	N	0.40
188	PANNA	GUNAUR	S-NPP	24.48182	80.26972	02:08:31	N	1.40
189	PANNA	PAWAI	S-NPP	24.29646	80.11489	02:08:31	N	0.60
190	RAISEN	BAGAMGANJ	S-NPP	23.48507	78.40233	02:08:31	N	1.40
191	RAISEN	BAGAMGANJ	S-NPP	23.48846	78.40301	02:08:31	N	1.40
192	RAISEN	BAGAMGANJ	S-NPP	23.51383	78.29352	02:08:31	N	0.50
193	RAISEN	BAGAMGANJ	S-NPP	23.59303	78.32509	02:08:31	N	0.70
194	RAISEN	BAGAMGANJ	TERRA	23.50800	78.48900	10:44:49	D	9.60

195	RAISEN	BAGAMGANJ	TERRA	23.52200	78.28200	10:44:49	D	17.20
196	RAISEN	GAIKATGANJ	S-NPP	23.31418	78.04184	02:08:31	N	3.10
197	RAISEN	GAIKATGANJ	S-NPP	23.31755	78.04250	02:08:31	N	3.10
198	RAISEN	GAIKATGANJ	S-NPP	23.32428	78.04382	02:08:31	N	1.10
199	RAISEN	GAIKATGANJ	S-NPP	23.33011	78.00878	02:08:31	N	1.60
200	RAISEN	GAIKATGANJ	S-NPP	23.36394	78.06277	02:08:31	N	1.40
201	RAISEN	GAIKATGANJ	S-NPP	23.36665	78.06734	02:08:31	N	0.60
202	RAISEN	GAIKATGANJ	S-NPP	23.36731	78.06344	02:08:31	N	1.40
203	RAISEN	GAIKATGANJ	S-NPP	23.37002	78.06799	02:08:31	N	0.30
204	RAISEN	GAIKATGANJ	S-NPP	23.42351	78.01818	02:08:31	N	0.70
205	RAISEN	GAIKATGANJ	TERRA	23.48000	78.25400	10:44:49	D	9.40
206	RAISEN	GOHARGANJ	S-NPP	22.96279	77.51958	02:08:31	N	1.80
207	RAISEN	GOHARGANJ	S-NPP	22.98429	77.59853	02:08:31	N	0.60
208	RAISEN	GOHARGANJ	S-NPP	22.99222	77.66647	02:08:31	N	0.40
209	RAISEN	GOHARGANJ	S-NPP	22.99876	77.55145	13:18:31	D	16.10
210	RAISEN	GOHARGANJ	S-NPP	23.02373	77.53847	02:08:31	N	0.50
211	RAISEN	GOHARGANJ	S-NPP	23.03459	77.49339	02:08:31	N	0.60
212	RAISEN	GOHARGANJ	S-NPP	23.05613	77.71838	02:08:31	N	0.30
213	RAISEN	GOHARGANJ	S-NPP	23.05947	77.71903	02:08:31	N	0.30
214	RAISEN	GOHARGANJ	S-NPP	23.06583	77.61745	02:08:31	N	0.50
215	RAISEN	GOHARGANJ	S-NPP	23.06646	77.61363	02:08:31	N	0.50
216	RAISEN	GOHARGANJ	S-NPP	23.06917	77.61810	02:08:31	N	0.50
217	RAISEN	GOHARGANJ	S-NPP	23.08368	77.42437	02:08:31	N	0.60
218	RAISEN	GOHARGANJ	S-NPP	23.08857	77.56271	02:08:31	N	1.50
219	RAISEN	GOHARGANJ	S-NPP	23.08920	77.55889	02:08:31	N	0.70
220	RAISEN	GOHARGANJ	S-NPP	23.08982	77.55508	02:08:31	N	0.70
221	RAISEN	GOHARGANJ	S-NPP	23.09253	77.55953	02:08:31	N	0.70
222	RAISEN	GOHARGANJ	S-NPP	23.09315	77.55572	02:08:31	N	0.70
223	RAISEN	GOHARGANJ	S-NPP	23.11898	77.90961	02:08:31	N	0.70
224	RAISEN	GOHARGANJ	S-NPP	23.11963	77.90572	02:08:31	N	0.90
225	RAISEN	GOHARGANJ	TERRA	23.18000	77.61900	10:44:49	D	13.10
226	RAISEN	RAISEN	S-NPP	23.18510	77.95761	02:08:31	N	1.10
227	RAISEN	RAISEN	S-NPP	23.22924	77.83819	02:08:31	N	1.70

228	RAISEN	RAISEN	S-NPP	23.29666	77.91806	02:08:31	N	1.60
229	RAISEN	RAISEN	S-NPP	23.29731	77.91418	02:08:31	N	1.70
230	RAISEN	RAISEN	S-NPP	23.30002	77.91872	02:08:31	N	3.40
231	RAISEN	RAISEN	S-NPP	23.30066	77.91485	02:08:31	N	1.80
232	RAISEN	RAISEN	S-NPP	23.30698	77.96009	02:08:31	N	1.00
233	RAISEN	RAISEN	S-NPP	23.30828	77.95232	02:08:31	N	2.50
234	RAISEN	RAISEN	S-NPP	23.30830	77.76506	02:08:31	N	0.80
235	RAISEN	RAISEN	S-NPP	23.31099	77.95689	02:08:31	N	2.50
236	RAISEN	RAISEN	S-NPP	23.31163	77.95300	02:08:31	N	2.50
237	RAISEN	RAISEN	S-NPP	23.31434	77.95754	02:08:31	N	13.20
238	RAISEN	RAISEN	S-NPP	23.31499	77.95367	02:08:31	N	13.20
239	RAISEN	RAISEN	S-NPP	23.31835	77.95433	02:08:31	N	13.20
240	RAISEN	RAISEN	S-NPP	23.36234	77.91891	02:08:31	N	1.60
241	RAISEN	RAISEN	S-NPP	23.36298	77.91503	02:08:31	N	1.60
242	RAISEN	RAISEN	S-NPP	23.36569	77.91957	02:08:31	N	1.60
243	RAISEN	RAISEN	S-NPP	23.36777	77.92798	02:08:31	N	1.60
244	RAISEN	RAISEN	S-NPP	23.36905	77.92023	02:08:31	N	2.40
245	RAISEN	RAISEN	S-NPP	23.37176	77.92476	02:08:31	N	1.60
246	RAISEN	RAISEN	S-NPP	23.37333	77.92422	02:08:31	N	0.60
247	RAISEN	RAISEN	S-NPP	23.38469	77.91844	02:08:31	N	2.90
248	RAISEN	RAISEN	S-NPP	23.38663	77.90683	02:08:31	N	0.60
249	RAISEN	RAISEN	S-NPP	23.38728	77.90296	02:08:31	N	0.60
250	RAISEN	RAISEN	S-NPP	23.38792	77.89909	02:08:31	N	2.10
251	RAISEN	RAISEN	S-NPP	23.38804	77.91911	02:08:31	N	3.20
252	RAISEN	RAISEN	S-NPP	23.38869	77.91522	02:08:31	N	0.80
253	RAISEN	RAISEN	S-NPP	23.38934	77.91135	02:08:31	N	0.80
254	RAISEN	RAISEN	S-NPP	23.38973	77.86754	02:08:31	N	1.50
255	RAISEN	RAISEN	S-NPP	23.39128	77.89974	02:08:31	N	0.30
256	RAISEN	RAISEN	S-NPP	23.39204	77.91588	02:08:31	N	0.80
257	RAISEN	RAISEN	S-NPP	23.39244	77.87205	02:08:31	N	1.70
258	RAISEN	RAISEN	S-NPP	23.39308	77.86819	02:08:31	N	1.50
259	RAISEN	RAISEN	S-NPP	23.39334	77.90813	02:08:31	N	1.10
260	RAISEN	RAISEN	S-NPP	23.39398	77.90427	02:08:31	N	1.10

261	RAISEN	RAISEN	S-NPP	23.40080	77.82191	02:08:31	N	0.70
262	RAISEN	RAISEN	S-NPP	23.41433	77.84443	02:08:31	N	1.10
263	RAISEN	RAISEN	S-NPP	23.41497	77.84058	02:08:31	N	1.30
264	RAISEN	RAISEN	S-NPP	23.41703	77.84896	02:08:31	N	1.10
265	RAISEN	RAISEN	S-NPP	23.41768	77.84510	02:08:31	N	1.10
266	RAISEN	SILVANI	S-NPP	23.29213	78.56803	02:08:31	N	0.50
267	RAJGARH	JIRAPUR	S-NPP	24.01505	76.27482	02:08:31	N	0.40
268	RAJGARH	NARSINGHGAR	TERRA	23.69600	77.13400	10:44:49	D	14.00
269	RAJGARH	SARANGPUR	S-NPP	23.50419	76.66129	02:08:31	N	0.40
270	RAJGARH	SARANGPUR	S-NPP	23.50478	76.65755	02:08:31	N	0.90
271	RATLAM	ALOTOT	S-NPP	23.59056	75.43983	02:08:31	N	2.50
272	RATLAM	ALOTOT	S-NPP	23.59113	75.43601	02:08:31	N	2.30
273	RATLAM	ALOTOT	S-NPP	23.64383	75.47276	02:08:31	N	0.70
274	RATLAM	ALOTOT	S-NPP	23.70459	75.38686	13:18:31	D	17.80
275	RATLAM	ALOTOT	S-NPP	23.72735	75.63525	02:08:31	N	0.30
276	RATLAM	ALOTOT	S-NPP	23.77978	75.55087	13:18:31	D	22.30
277	RATLAM	ALOTOT	S-NPP	23.81069	75.57504	02:08:31	N	0.40
278	RATLAM	ALOTOT	TERRA	23.75000	75.59700	10:44:49	D	11.20
279	RATLAM	JAURA	S-NPP	23.60822	75.12476	13:18:31	D	32.80
280	RATLAM	JAURA	S-NPP	23.62095	75.18888	02:08:31	N	0.50
281	RATLAM	PIPLODA	S-NPP	23.65395	74.98763	02:08:31	N	0.70
282	RATLAM	RATLAM	S-NPP	23.34838	75.11578	02:08:31	N	0.80
283	RATLAM	RATLAM	S-NPP	23.39161	75.06706	02:08:31	N	0.50
284	RATLAM	RATLAM	S-NPP	23.45513	75.17309	02:08:31	N	1.30
285	RATLAM	RATLAM	TERRA	23.47100	75.07300	10:44:49	D	11.20
286	SAGAR	BANDA	S-NPP	23.89386	78.94693	02:08:31	N	0.60
287	SAGAR	BANDA	S-NPP	23.89659	78.95174	02:08:31	N	0.50
288	SAGAR	BANDA	S-NPP	23.89729	78.94764	02:08:31	N	0.60
289	SAGAR	BANDA	S-NPP	23.96203	78.92262	02:08:31	N	0.70
290	SAGAR	BANDA	S-NPP	23.96273	78.91852	02:08:31	N	0.70
291	SAGAR	BANDA	S-NPP	24.08386	78.96222	13:18:31	D	16.60
292	SAGAR	BANDA	S-NPP	24.36642	79.08126	02:08:31	N	1.50
293	SAGAR	BINA	S-NPP	24.04575	78.17590	02:08:31	N	0.60

294	SAGAR	BINA	S-NPP	24.16668	78.26747	02:08:31	N	0.40
295	SAGAR	BINA	S-NPP	24.19106	78.18340	02:08:31	N	0.40
296	SAGAR	BINA	S-NPP	24.19441	78.18407	02:08:31	N	0.60
297	SAGAR	BINA	S-NPP	24.27330	78.11420	02:08:31	N	0.60
298	SAGAR	BINA	S-NPP	24.29391	78.09419	02:08:31	N	0.40
299	SAGAR	BINA	S-NPP	24.33973	78.28347	02:08:31	N	0.70
300	SAGAR	DEVRI	S-NPP	23.51012	79.06945	02:08:31	N	1.50
301	SAGAR	GARHAKOTA	S-NPP	23.66100	79.21335	13:18:31	D	25.60
302	SAGAR	KESALI	S-NPP	23.39746	78.81399	02:08:31	N	1.00
303	SAGAR	KESALI	S-NPP	23.45496	78.80373	02:08:31	N	0.60
304	SAGAR	KESALI	S-NPP	23.45567	78.79963	02:08:31	N	0.60
305	SAGAR	KHURAI	S-NPP	23.88986	78.33180	02:08:31	N	0.30
306	SAGAR	KHURAI	S-NPP	23.92979	78.36420	02:08:31	N	0.50
307	SAGAR	KHURAI	S-NPP	24.13262	78.32561	02:08:31	N	0.80
308	SAGAR	KHURAI	S-NPP	24.13328	78.32169	02:08:31	N	1.10
309	SAGAR	KHURAI	S-NPP	24.13599	78.32629	02:08:31	N	0.80
310	SAGAR	KHURAI	S-NPP	24.13665	78.32236	02:08:31	N	1.60
311	SAGAR	KHURAI	S-NPP	24.14010	78.34337	02:08:31	N	0.70
312	SAGAR	KHURAI	S-NPP	24.19927	78.41123	02:08:31	N	0.30
313	SAGAR	RAHAT GARH	S-NPP	23.80559	78.29179	02:08:31	N	0.70
314	SAGAR	RAHAT GARH	S-NPP	23.80918	78.35358	02:08:31	N	1.70
315	SAGAR	RAHAT GARH	S-NPP	23.81287	78.53768	02:08:31	N	0.80
316	SAGAR	RAHAT GARH	S-NPP	23.81306	78.53902	02:08:31	N	0.90
317	SAGAR	RAHAT GARH	S-NPP	23.82032	78.55572	02:08:31	N	1.70
318	SAGAR	REHLI	S-NPP	23.60359	78.96416	02:08:31	N	0.90
319	SAGAR	SAGAR	S-NPP	23.69187	78.53991	13:18:31	D	15.30
320	SAGAR	SAGAR	S-NPP	23.79429	78.85113	02:08:31	N	1.00
321	SAGAR	SAGAR	S-NPP	23.89205	78.89563	02:08:31	N	0.70
322	SAGAR	SAGAR	S-NPP	23.89356	78.86632	02:08:31	N	1.30
323	SAGAR	SAGAR	S-NPP	23.89852	78.61285	02:08:31	N	0.40
324	SAGAR	SAGAR	S-NPP	23.93869	78.52121	02:08:31	N	0.30
325	SAGAR	SAGAR	S-NPP	23.96855	78.63473	02:08:31	N	1.90
326	SATNA	AMARPATAN	S-NPP	24.25293	80.99255	13:18:31	D	5.70

327	SATNA	AMARPATAN	S-NPP	24.25349	80.99634	13:18:31	D	5.70
328	SATNA	MAIHAR	S-NPP	24.23610	80.79588	02:08:31	N	2.30
329	SATNA	MAIHAR	S-NPP	24.23891	80.80155	02:08:31	N	1.20
330	SATNA	MAIHAR	S-NPP	24.23980	80.79669	02:08:31	N	1.20
331	SATNA	NAGOD	TERRA	24.61300	80.50300	10:44:49	D	25.00
332	SATNA	RAMPURBAGHLEAN	S-NPP	24.38532	80.98000	02:08:31	N	0.90
333	SATNA	UCHAHAR	TERRA	24.53400	80.79700	10:44:49	D	17.30
334	SEHORE	AASHTA	S-NPP	22.96610	76.46496	02:08:31	N	0.90
335	SEHORE	NASRULLAHGANJ	S-NPP	22.69744	77.15125	02:08:31	N	1.50
336	SEHORE	NASRULLAHGANJ	S-NPP	22.79940	77.23240	02:08:31	N	0.40
337	SEHORE	SEHORE	S-NPP	23.17041	77.07883	02:08:31	N	0.40
338	SEHORE	SEHORE	S-NPP	23.40885	77.17267	02:08:31	N	0.80
339	SEHORE	SEHORE	S-NPP	23.44987	77.13000	02:08:31	N	1.60
340	SEHORE	SEHORE	S-NPP	23.46073	77.10490	02:08:31	N	1.90
341	SEHORE	SEHORE	S-NPP	23.47147	77.20785	02:08:31	N	1.40
342	SEHORE	SEHORE	S-NPP	23.51513	77.14561	02:08:31	N	1.20
343	SEHORE	SEHORE	S-NPP	23.55995	77.18515	02:08:31	N	0.20
344	SEONI	GHANSAUR	TERRA	22.45200	79.69900	10:44:49	D	13.10
345	SEONI	KEWLARI	S-NPP	22.34305	79.81152	13:18:31	D	15.30
346	SEONI	KEWLARI	TERRA	22.32500	79.90600	10:44:49	D	32.70
347	SEONI	KEWLARI	TERRA	22.33800	79.83300	10:44:49	D	21.30
348	SEONI	LAKHNADOU	S-NPP	22.47941	79.48349	02:08:31	N	1.60
349	SEONI	LAKHNADOU	S-NPP	22.51329	79.51765	13:18:31	D	6.20
350	SEONI	LAKHNADOU	TERRA	22.64600	79.58900	10:44:49	D	8.90
351	SEONI	SEONI	S-NPP	22.05033	79.46475	13:18:31	D	12.10
352	SEONI	SEONI	S-NPP	22.20251	79.69686	13:18:31	D	11.20
353	SEONI	SEONI	S-NPP	22.23714	79.69832	13:18:31	D	6.10
354	SEONI	SEONI	S-NPP	22.23912	79.69786	13:18:31	D	12.30
355	SEONI	SEONI	S-NPP	22.28309	79.77962	13:18:31	D	7.70
356	SEONI	SEONI	TERRA	22.05700	79.41100	10:44:49	D	9.90
357	SEONI	SEONI	TERRA	22.08600	79.43400	10:44:49	D	13.00
358	SEONI	SEONI	TERRA	22.11100	79.40300	10:44:49	D	19.30
359	SEONI	SEONI	TERRA	22.11300	79.39100	10:44:49	D	28.80

360	SHAH DOL	SOHAGPUR	TERRA	23.08800	81.40600	10:44:49	D	21.10
361	SHAJAPUR	AGAR	S-NPP	23.57281	76.20039	02:08:31	N	0.40
362	SHAJAPUR	AGAR	S-NPP	23.64937	75.90132	02:08:31	N	0.50
363	SHAJAPUR	AGAR	S-NPP	23.66054	76.18105	02:08:31	N	0.40
364	SHAJAPUR	AGAR	S-NPP	23.66385	76.18165	02:08:31	N	0.40
365	SHAJAPUR	BAROUD	S-NPP	23.69997	75.87879	02:08:31	N	0.50
366	SHAJAPUR	BAROUD	TERRA	23.74800	75.81400	10:44:49	D	16.90
367	SHAJAPUR	GULNA	S-NPP	23.21048	76.46246	02:08:31	N	0.30
368	SHAJAPUR	GULNA	S-NPP	23.33845	76.57433	02:08:31	N	0.90
369	SHAJAPUR	GULNA	S-NPP	23.33904	76.57060	02:08:31	N	0.90
370	SHAJAPUR	GULNA	S-NPP	23.33963	76.56686	02:08:31	N	0.50
371	SHAJAPUR	GULNA	S-NPP	23.34176	76.57494	02:08:31	N	0.60
372	SHAJAPUR	GULNA	S-NPP	23.34235	76.57121	02:08:31	N	0.60
373	SHAJAPUR	GULNA	S-NPP	23.35846	76.49052	13:18:31	D	13.50
374	SHAJAPUR	GULNA	S-NPP	23.42499	76.45507	02:08:31	N	0.50
375	SHAJAPUR	KALA PIPAL	S-NPP	23.32875	76.89142	02:08:31	N	0.30
376	SHAJAPUR	KALA PIPAL	S-NPP	23.45505	77.03413	02:08:31	N	0.30
377	SHAJAPUR	KALA PIPAL	S-NPP	23.45891	76.86095	02:08:31	N	0.60
378	SHAJAPUR	MOMAN BARODIY	S-NPP	23.64705	76.42139	02:08:31	N	3.50
379	SHAJAPUR	MOMAN BARODIY	S-NPP	23.64977	76.42574	02:08:31	N	1.70
380	SHAJAPUR	MOMAN BARODIY	S-NPP	23.65307	76.42635	02:08:31	N	1.70
381	SHAJAPUR	MOMAN BARODIY	S-NPP	23.66010	76.41358	13:18:31	D	21.80
382	SHAJAPUR	MOMAN BARODIY	S-NPP	23.66097	76.41843	13:18:31	D	13.00
383	SHAJAPUR	MOMAN BARODIY	S-NPP	23.66381	76.41279	13:18:31	D	9.00
384	SHAJAPUR	MOMAN BARODIY	S-NPP	23.67946	76.23463	02:08:31	N	0.60
385	SHAJAPUR	MOMAN BARODIY	S-NPP	23.68277	76.23524	02:08:31	N	0.60
386	SHAJAPUR	NALKHERA	S-NPP	23.74594	76.20045	02:08:31	N	2.50
387	SHAJAPUR	NALKHERA	S-NPP	23.74925	76.20105	02:08:31	N	2.50
388	SHAJAPUR	SHAJAPUR	S-NPP	23.27725	76.21597	13:18:31	D	23.70
389	SHAJAPUR	SHAJAPUR	S-NPP	23.47031	76.31724	02:08:31	N	0.30
390	SHAJAPUR	SUJALPUR	S-NPP	23.26187	76.56789	02:08:31	N	2.30
391	SHAJAPUR	SUJALPUR	S-NPP	23.27501	76.63172	02:08:31	N	0.80
392	SHAJAPUR	SUJALPUR	S-NPP	23.33505	76.63900	02:08:31	N	1.10

393	SHAJAPUR	SUJALPUR	S-NPP	23.33741	76.62405	02:08:31	N	0.40
394	SHAJAPUR	SUJALPUR	S-NPP	23.33905	76.67821	02:08:31	N	0.50
395	SHAJAPUR	SUJALPUR	S-NPP	23.34071	76.62466	02:08:31	N	0.70
396	SHAJAPUR	SUJALPUR	S-NPP	23.34130	76.62093	02:08:31	N	0.70
397	SHAJAPUR	SUJALPUR	S-NPP	23.35439	76.58112	02:08:31	N	0.60
398	SHAJAPUR	SUJALPUR	S-NPP	23.42545	76.68981	02:08:31	N	1.60
399	SHAJAPUR	SUJALPUR	S-NPP	23.45222	76.71405	02:08:31	N	0.50
400	SHAJAPUR	SUJALPUR	S-NPP	23.45448	76.65670	02:08:31	N	0.90
401	SHAJAPUR	SUJALPUR	S-NPP	23.45660	76.66480	02:08:31	N	0.50
402	SHAJAPUR	SUJALPUR	S-NPP	23.45931	76.66916	02:08:31	N	0.20
403	SHAJAPUR	SUJALPUR	S-NPP	23.45990	76.66542	02:08:31	N	0.50
404	SHAJAPUR	SUJALPUR	S-NPP	23.46320	76.66603	02:08:31	N	0.80
405	SHAJAPUR	SUJALPUR	S-NPP	23.46651	76.66664	02:08:31	N	0.80
406	SHEOPUR	KARAHAL	S-NPP	25.34309	76.86290	02:08:31	N	5.90
407	SHEOPUR	SHEOPUR	S-NPP	25.46937	76.59221	02:08:31	N	6.40
408	SHEOPUR	SHEOPUR	S-NPP	25.47268	76.59283	02:08:31	N	2.30
409	SHEOPUR	SHEOPUR	S-NPP	25.47599	76.59344	02:08:31	N	2.30
410	SHEOPUR	SHEOPUR	S-NPP	25.47988	76.59025	02:08:31	N	1.40
411	SHEOPUR	SHEOPUR	S-NPP	25.48319	76.59087	02:08:31	N	1.40
412	SHEOPUR	SHEOPUR	S-NPP	25.48591	76.59530	02:08:31	N	0.60
413	SHEOPUR	SHEOPUR	S-NPP	25.48981	76.59211	02:08:31	N	0.60
414	SHEOPUR	SHEOPUR	S-NPP	25.50559	76.55584	02:08:31	N	1.00
415	SHEOPUR	SHEOPUR	S-NPP	25.50949	76.55264	02:08:31	N	2.30
416	SHEOPUR	SHEOPUR	S-NPP	25.51221	76.55708	02:08:31	N	0.30
417	SHEOPUR	SHEOPUR	S-NPP	25.51279	76.55326	02:08:31	N	1.10
418	SHEOPUR	SHEOPUR	S-NPP	25.53670	76.59695	02:08:31	N	0.70
419	SHEOPUR	SHEOPUR	S-NPP	25.66438	76.60011	02:08:31	N	0.90
420	SHEOPUR	SHEOPUR	S-NPP	25.66768	76.60073	02:08:31	N	1.10
421	SHEOPUR	SHEOPUR	S-NPP	25.75986	76.64072	02:08:31	N	0.70
422	SHEOPUR	SHEOPUR	S-NPP	25.76844	76.60693	02:08:31	N	2.90
423	SHEOPUR	SHEOPUR	S-NPP	25.78226	76.60559	02:08:31	N	0.60
424	SHEOPUR	SHEOPUR	S-NPP	25.78285	76.60177	02:08:31	N	0.40
425	SHEOPUR	SHEOPUR	S-NPP	25.78339	76.66479	02:08:31	N	1.10

426	SHEOPUR	SHEOPUR	S-NPP	25.78670	76.66541	02:08:31	N	0.60
427	SHEOPUR	SHEOPUR	S-NPP	25.80212	76.60931	02:08:31	N	2.50
428	SHEOPUR	SHEOPUR	S-NPP	25.80543	76.60993	02:08:31	N	2.50
429	SHEOPUR	SHEOPUR	S-NPP	25.83242	76.67792	02:08:31	N	0.80
430	SHEOPUR	SHEOPUR	S-NPP	25.83573	76.67854	02:08:31	N	0.80
431	SHEOPUR	SHEOPUR	TERRA	25.75500	76.55800	10:44:49	D	56.50
432	SHEOPUR	SHEOPUR	TERRA	25.76300	76.56000	10:44:49	D	7.60
433	SHIVPURI	KOLARAS	S-NPP	24.96107	77.80288	13:18:31	D	14.20
434	SHIVPURI	KOLARAS	S-NPP	25.15058	77.64909	02:08:31	N	7.20
435	SHIVPURI	NARWAR	S-NPP	25.71959	78.11402	02:08:31	N	0.60
436	SHIVPURI	SHIVPURI	TERRA	25.34400	77.54800	10:44:49	D	16.80
437	TIKAMGARH	TIKAMGARH	S-NPP	24.65608	78.98338	02:08:31	N	1.30
438	UJJAIN	BARNAGAR	S-NPP	23.01004	75.39223	02:08:31	N	0.20
439	UJJAIN	BARNAGAR	S-NPP	23.05131	75.42644	02:08:31	N	0.50
440	UJJAIN	BARNAGAR	S-NPP	23.15684	75.35452	02:08:31	N	0.60
441	UJJAIN	BARNAGAR	S-NPP	23.22403	75.24886	02:08:31	N	0.80
442	UJJAIN	BARNAGAR	TERRA	23.05600	75.35700	10:44:49	D	11.20
443	UJJAIN	BARNAGAR	TERRA	23.06500	75.42500	10:44:49	D	11.40
444	UJJAIN	BARNAGAR	TERRA	23.14800	75.28600	10:44:49	D	19.70
445	UJJAIN	BARNAGAR	TERRA	23.15000	75.27600	10:44:49	D	13.80
446	UJJAIN	GHATIYA	S-NPP	23.31052	75.72614	02:08:31	N	0.60
447	UJJAIN	GHATIYA	S-NPP	23.31384	75.72673	02:08:31	N	0.60
448	UJJAIN	GHATIYA	S-NPP	23.32745	75.77175	02:08:31	N	1.30
449	UJJAIN	GHATIYA	S-NPP	23.33077	75.77235	02:08:31	N	1.00
450	UJJAIN	GHATIYA	S-NPP	23.33673	75.68818	02:08:31	N	0.90
451	UJJAIN	GHATIYA	TERRA	23.37500	75.90900	10:44:49	D	13.00
452	UJJAIN	KACHROD	S-NPP	23.42089	75.21848	02:08:31	N	1.00
453	UJJAIN	KACHROD	S-NPP	23.44289	75.30110	02:08:31	N	0.40
454	UJJAIN	KACHROD	S-NPP	23.46338	75.33583	02:08:31	N	0.80
455	UJJAIN	KACHROD	S-NPP	23.50478	75.28801	02:08:31	N	0.80
456	UJJAIN	KACHROD	S-NPP	23.52102	75.27114	02:08:31	N	0.70
457	UJJAIN	KACHROD	TERRA	23.38000	75.20800	10:44:49	D	7.90
458	UJJAIN	MEHIDPUR	S-NPP	23.44710	75.65353	13:18:31	D	16.30

459	UJJAIN	MEHIDPUR	S-NPP	23.55929	75.53721	13:18:31	D	18.00
460	UJJAIN	MEHIDPUR	S-NPP	23.56685	75.52960	02:08:31	N	1.00
461	UJJAIN	MEHIDPUR	S-NPP	23.57160	75.58899	02:08:31	N	2.00
462	UJJAIN	MEHIDPUR	S-NPP	23.60879	75.59167	02:08:31	N	0.90
463	UJJAIN	MEHIDPUR	S-NPP	23.61212	75.59226	02:08:31	N	0.90
464	UJJAIN	MEHIDPUR	S-NPP	23.63835	75.68183	02:08:31	N	0.90
465	UJJAIN	MEHIDPUR	S-NPP	23.64167	75.68243	02:08:31	N	1.00
466	UJJAIN	MEHIDPUR	S-NPP	23.64500	75.68301	02:08:31	N	1.00
467	UJJAIN	MEHIDPUR	S-NPP	23.66838	75.66378	02:08:31	N	0.60
468	UJJAIN	MEHIDPUR	S-NPP	23.69256	75.70707	02:08:31	N	0.50
469	UJJAIN	MEHIDPUR	S-NPP	23.70599	75.68608	02:08:31	N	0.20
470	UJJAIN	MEHIDPUR	TERRA	23.45100	75.76200	10:44:49	D	31.30
471	UJJAIN	MEHIDPUR	TERRA	23.45200	75.75200	10:44:49	D	23.80
472	UJJAIN	MEHIDPUR	TERRA	23.56400	75.54500	10:44:49	D	20.40
473	UJJAIN	MEHIDPUR	TERRA	23.56900	75.71300	10:44:49	D	12.80
474	UJJAIN	NAGDA	S-NPP	23.30046	75.52702	02:08:31	N	7.10
475	UJJAIN	NAGDA	S-NPP	23.30161	75.51944	02:08:31	N	0.70
476	UJJAIN	NAGDA	S-NPP	23.30321	75.53140	02:08:31	N	2.80
477	UJJAIN	NAGDA	S-NPP	23.30379	75.52761	02:08:31	N	7.10
478	UJJAIN	NAGDA	S-NPP	23.37564	75.59637	13:18:31	D	6.10
479	UJJAIN	NAGDA	TERRA	23.39800	75.47600	10:44:49	D	12.20
480	UJJAIN	NAGDA	TERRA	23.40000	75.46600	10:44:49	D	8.70
481	UJJAIN	TARANA	S-NPP	23.31367	76.03939	02:08:31	N	0.50
482	UJJAIN	TARANA	S-NPP	23.31814	76.03249	02:08:31	N	0.40
483	UJJAIN	TARANA	S-NPP	23.41366	76.09199	02:08:31	N	0.40
484	UJJAIN	TARANA	S-NPP	23.46583	75.97417	02:08:31	N	0.70
485	UJJAIN	TARANA	S-NPP	23.48685	75.92323	02:08:31	N	1.60
486	UJJAIN	TARANA	S-NPP	23.48787	75.93887	02:08:31	N	1.20
487	UJJAIN	TARANA	S-NPP	23.49016	75.92383	02:08:31	N	1.70
488	UJJAIN	TARANA	S-NPP	23.49118	75.93947	02:08:31	N	1.20
489	UJJAIN	TARANA	S-NPP	23.49176	75.93571	02:08:31	N	1.20
490	UJJAIN	TARANA	TERRA	23.07500	76.07800	10:44:49	D	10.60
491	UJJAIN	UJJAIN	S-NPP	23.10659	75.71062	02:08:31	N	0.40

492	UJJAIN	UJJAIN	S-NPP	23.21377	75.89486	02:08:31	N	0.50
493	UJJAIN	UJJAIN	TERRA	23.07400	75.62700	10:44:49	D	10.60
494	UJJAIN	UJJAIN	TERRA	23.10400	75.93500	10:44:49	D	12.20
495	UJJAIN	UJJAIN	TERRA	23.11000	75.69900	10:44:49	D	10.60
496	VIDESHA	BASODA	S-NPP	23.76725	77.84719	02:08:31	N	0.40
497	VIDESHA	BASODA	S-NPP	23.76789	77.84335	02:08:31	N	0.60
498	VIDESHA	BASODA	S-NPP	23.77228	78.19997	02:08:31	N	0.50
499	VIDESHA	BASODA	S-NPP	23.77360	78.19213	02:08:31	N	0.50
500	VIDESHA	BASODA	S-NPP	23.77393	77.84850	02:08:31	N	0.50
501	VIDESHA	BASODA	S-NPP	23.77564	78.20062	02:08:31	N	0.30
502	VIDESHA	BASODA	S-NPP	23.77728	77.84914	02:08:31	N	0.50
503	VIDESHA	BASODA	S-NPP	23.80073	78.09268	02:08:31	N	0.30
504	VIDESHA	BASODA	S-NPP	23.84119	78.01636	02:08:31	N	1.40
505	VIDESHA	BASODA	S-NPP	23.87393	78.00677	02:08:31	N	0.80
506	VIDESHA	BASODA	S-NPP	23.87637	77.88747	02:08:31	N	0.30
507	VIDESHA	BASODA	S-NPP	23.87811	77.93964	02:08:31	N	1.70
508	VIDESHA	BASODA	S-NPP	23.87875	77.93578	02:08:31	N	1.10
509	VIDESHA	BASODA	S-NPP	23.87885	78.03979	02:08:31	N	0.40
510	VIDESHA	BASODA	S-NPP	23.88146	77.94030	02:08:31	N	2.10
511	VIDESHA	BASODA	S-NPP	23.88210	77.93643	02:08:31	N	1.10
512	VIDESHA	BASODA	S-NPP	23.88480	77.94096	02:08:31	N	2.10
513	VIDESHA	BASODA	S-NPP	23.88544	77.93709	02:08:31	N	1.10
514	VIDESHA	BASODA	S-NPP	23.90371	78.08379	02:08:31	N	0.70
515	VIDESHA	BASODA	S-NPP	23.90400	78.14417	02:08:31	N	0.90
516	VIDESHA	BASODA	S-NPP	23.90736	78.14483	02:08:31	N	0.40
517	VIDESHA	BASODA	S-NPP	23.91605	78.01000	02:08:31	N	1.60
518	VIDESHA	BASODA	S-NPP	23.91876	78.01454	02:08:31	N	1.60
519	VIDESHA	BASODA	S-NPP	23.91940	78.01067	02:08:31	N	1.60
520	VIDESHA	BASODA	S-NPP	23.92211	78.01520	02:08:31	N	0.60
521	VIDESHA	BASODA	S-NPP	23.92275	78.01132	02:08:31	N	0.60
522	VIDESHA	BASODA	S-NPP	23.95148	78.00497	02:08:31	N	0.70
523	VIDESHA	BASODA	S-NPP	23.96308	78.03931	02:08:31	N	1.10
524	VIDESHA	BASODA	S-NPP	23.97960	77.83504	02:08:31	N	0.40

525	VIDESHA	BASODA	S-NPP	23.98104	77.84724	02:08:31	N	0.50
526	VIDESHA	BASODA	S-NPP	23.98167	77.84340	02:08:31	N	0.50
527	VIDESHA	BASODA	S-NPP	23.99152	77.82545	02:08:31	N	0.60
528	VIDESHA	BASODA	S-NPP	23.99950	77.98641	02:08:31	N	0.50
529	VIDESHA	BASODA	S-NPP	24.00791	77.87238	02:08:31	N	0.50
530	VIDESHA	BASODA	AQUA	23.88000	77.95200	01:51:33	N	22.20
531	VIDESHA	GYARASPUR	S-NPP	23.57898	78.01504	02:08:31	N	0.90
532	VIDESHA	GYARASPUR	S-NPP	23.57904	78.18014	02:08:31	N	0.80
533	VIDESHA	GYARASPUR	S-NPP	23.58548	77.97626	02:08:31	N	0.90
534	VIDESHA	GYARASPUR	S-NPP	23.60008	77.95109	02:08:31	N	0.90
535	VIDESHA	GYARASPUR	S-NPP	23.61516	77.90215	02:08:31	N	1.20
536	VIDESHA	GYARASPUR	S-NPP	23.64937	78.26181	02:08:31	N	0.80
537	VIDESHA	GYARASPUR	S-NPP	23.65180	78.07755	02:08:31	N	0.70
538	VIDESHA	GYARASPUR	S-NPP	23.69789	77.88244	02:08:31	N	0.20
539	VIDESHA	GYARASPUR	S-NPP	23.70124	77.88309	02:08:31	N	0.30
540	VIDESHA	GYARASPUR	S-NPP	23.73176	77.83233	02:08:31	N	1.40
541	VIDESHA	GYARASPUR	TERRA	23.64200	78.22600	10:44:49	D	15.90
542	VIDESHA	GYARASPUR	TERRA	23.72900	77.84000	10:44:49	D	27.60
543	VIDESHA	KORWAI	S-NPP	23.98975	78.02451	02:08:31	N	1.00
544	VIDESHA	KORWAI	S-NPP	23.99310	78.02517	02:08:31	N	1.00
545	VIDESHA	KORWAI	S-NPP	23.99467	78.05756	02:08:31	N	1.10
546	VIDESHA	KORWAI	S-NPP	23.99532	78.05367	02:08:31	N	0.90
547	VIDESHA	KORWAI	S-NPP	23.99994	78.06998	13:18:31	D	13.30
548	VIDESHA	KORWAI	S-NPP	24.11848	77.94556	02:08:31	N	0.50
549	VIDESHA	KORWAI	S-NPP	24.23266	77.93107	02:08:31	N	0.70
550	VIDESHA	KORWAI	S-NPP	24.23335	77.92307	13:18:31	D	5.40
551	VIDESHA	KORWAI	S-NPP	24.23406	77.92722	13:18:31	D	5.40
552	VIDESHA	KORWAI	S-NPP	24.23680	77.92239	13:18:31	D	5.40
553	VIDESHA	KORWAI	S-NPP	24.23751	77.92653	13:18:31	D	5.40
554	VIDESHA	KORWAI	S-NPP	24.26398	78.01961	13:18:31	D	11.10
555	VIDESHA	LETERI	S-NPP	24.10546	77.43761	02:08:31	N	0.70
556	VIDESHA	LETERI	S-NPP	24.31935	77.37615	02:08:31	N	0.30
557	VIDESHA	LETERI	TERRA	24.14600	77.46700	10:44:49	D	14.00

558	VIDESHA	LETERI	TERRA	24.14800	77.45700	10:44:49	D	13.20
559	VIDESHA	NATERAN	S-NPP	23.75434	77.73755	02:08:31	N	0.50
560	VIDESHA	NATERAN	S-NPP	23.80970	77.81970	02:08:31	N	1.00
561	VIDESHA	NATERAN	S-NPP	23.83566	77.80004	02:08:31	N	0.70
562	VIDESHA	NATERAN	S-NPP	23.85566	77.72075	02:08:31	N	0.50
563	VIDESHA	NATERAN	S-NPP	23.86169	77.72588	02:08:31	N	0.40
564	VIDESHA	NATERAN	S-NPP	23.86439	77.73037	02:08:31	N	1.20
565	VIDESHA	NATERAN	S-NPP	23.86502	77.72653	02:08:31	N	0.40
566	VIDESHA	NATERAN	S-NPP	23.86772	77.73102	02:08:31	N	0.80
567	VIDESHA	NATERAN	S-NPP	23.86835	77.72718	02:08:31	N	0.90
568	VIDESHA	NATERAN	S-NPP	23.87930	77.61880	02:08:31	N	0.50
569	VIDESHA	NATERAN	S-NPP	23.88140	77.56411	02:08:31	N	2.20
570	VIDESHA	NATERAN	S-NPP	23.92622	77.79388	02:08:31	N	0.30
571	VIDESHA	NATERAN	S-NPP	23.93666	77.77211	02:08:31	N	1.40
572	VIDESHA	NATERAN	S-NPP	23.93729	77.76827	02:08:31	N	1.40
573	VIDESHA	NATERAN	S-NPP	23.94288	77.82790	02:08:31	N	1.00
574	VIDESHA	NATERAN	S-NPP	23.95211	77.81381	02:08:31	N	1.40
575	VIDESHA	NATERAN	S-NPP	23.95544	77.81446	02:08:31	N	2.10
576	VIDESHA	NATERAN	S-NPP	23.95608	77.81062	02:08:31	N	2.10
577	VIDESHA	NATERAN	S-NPP	23.96322	77.78821	02:08:31	N	2.10
578	VIDESHA	NATERAN	S-NPP	23.96529	77.79654	02:08:31	N	0.60
579	VIDESHA	NATERAN	S-NPP	23.96593	77.79270	02:08:31	N	3.40
580	VIDESHA	NATERAN	S-NPP	23.96656	77.78886	02:08:31	N	3.40
581	VIDESHA	NATERAN	S-NPP	23.96719	77.78502	02:08:31	N	0.30
582	VIDESHA	NATERAN	S-NPP	23.97213	77.81772	02:08:31	N	1.50
583	VIDESHA	NATERAN	S-NPP	23.97276	77.81387	02:08:31	N	1.50
584	VIDESHA	NATERAN	S-NPP	23.98881	77.82095	02:08:31	N	0.80
585	VIDESHA	NATERAN	S-NPP	24.00180	77.78384	02:08:31	N	0.80
586	VIDESHA	NATERAN	TERRA	23.81700	77.74400	10:44:49	D	17.10
587	VIDESHA	NATERAN	TERRA	23.89000	77.87400	10:44:49	D	16.70
588	VIDESHA	SIRANJ	S-NPP	24.02533	77.80826	02:08:31	N	0.50
589	VIDESHA	SIRANJ	S-NPP	24.02866	77.80890	02:08:31	N	0.50
590	VIDESHA	SIRANJ	S-NPP	24.04658	77.87971	02:08:31	N	0.40

591	VIDESHA	SIRANJ	S-NPP	24.15305	77.54476	02:08:31	N	0.20
592	VIDESHA	SIRANJ	S-NPP	24.18194	77.84156	02:08:31	N	1.20
593	VIDESHA	SIRANJ	S-NPP	24.18527	77.84222	02:08:31	N	1.20
594	VIDESHA	SIRANJ	TERRA	24.15400	77.53800	10:44:49	D	9.90
595	VIDESHA	VIDESHA	S-NPP	23.38599	78.03493	02:08:31	N	0.70
596	VIDESHA	VIDESHA	S-NPP	23.46822	77.89482	02:08:31	N	0.90
597	VIDESHA	VIDESHA	S-NPP	23.51979	77.90376	02:08:31	N	1.20
598	VIDESHA	VIDESHA	S-NPP	23.52044	77.89990	02:08:31	N	1.10
599	VIDESHA	VIDESHA	S-NPP	23.52108	77.89604	02:08:31	N	1.10
600	VIDESHA	VIDESHA	S-NPP	23.52314	77.90442	02:08:31	N	1.20
601	VIDESHA	VIDESHA	S-NPP	23.52443	77.89669	02:08:31	N	1.10
602	VIDESHA	VIDESHA	S-NPP	23.52483	77.95670	02:08:31	N	1.60
603	VIDESHA	VIDESHA	S-NPP	23.52649	77.90508	02:08:31	N	2.40
604	VIDESHA	VIDESHA	S-NPP	23.52713	77.90121	02:08:31	N	1.20
605	VIDESHA	VIDESHA	S-NPP	23.52778	77.89735	02:08:31	N	1.20
606	VIDESHA	VIDESHA	S-NPP	23.52842	77.89349	02:08:31	N	2.70
607	VIDESHA	VIDESHA	S-NPP	23.52947	77.94962	02:08:31	N	0.60
608	VIDESHA	VIDESHA	S-NPP	23.53783	77.89931	02:08:31	N	0.80
609	VIDESHA	VIDESHA	S-NPP	23.54118	77.89997	02:08:31	N	0.80
610	VIDESHA	VIDESHA	S-NPP	23.57371	77.95428	02:08:31	N	0.50
611	VIDESHA	VIDESHA	S-NPP	23.58076	77.61827	02:08:31	N	0.80
612	VIDESHA	VIDESHA	S-NPP	23.58409	77.61890	02:08:31	N	0.80
613	VIDESHA	VIDESHA	S-NPP	23.61635	77.58968	02:08:31	N	0.80
614	VIDESHA	VIDESHA	S-NPP	23.61843	77.59795	02:08:31	N	0.60
615	VIDESHA	VIDESHA	S-NPP	23.66729	77.81680	02:08:31	N	0.40
616	VIDESHA	VIDESHA	S-NPP	23.66792	77.81295	02:08:31	N	0.40
617	VIDESHA	VIDESHA	S-NPP	23.67461	77.81425	02:08:31	N	0.40
618	VIDESHA	VIDESHA	S-NPP	23.67472	77.75082	02:08:31	N	0.50
619	VIDESHA	VIDESHA	S-NPP	23.67535	77.74698	02:08:31	N	1.00
620	VIDESHA	VIDESHA	S-NPP	23.67599	77.74314	02:08:31	N	1.00
621	VIDESHA	VIDESHA	S-NPP	23.67869	77.74762	02:08:31	N	1.00
622	VIDESHA	VIDESHA	S-NPP	23.67932	77.74379	02:08:31	N	1.00
623	VIDESHA	VIDESHA	S-NPP	23.72684	77.79960	02:08:31	N	0.70

624	VIDESHA	VIDESHA	S-NPP	23.73687	77.80154	02:08:31	N	0.60
625	VIDESHA	VIDESHA	TERRA	23.45000	77.91300	10:44:49	D	24.50
626	WEST NIMAR	MAHESHWAR	TERRA	22.26600	75.72800	10:44:49	D	9.50

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

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

**The 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**

Study Team

ICAR – HQ	Dr S.N. Jha	DDG (AG. ENGG.)	ddgengg@icar.org.in
ICAR - IARI	Dr V.K. Sehgal	Pr. Scientist & Nodal Officer	iaricreams@gmail.com
	Dr Rajkumar Dhakar	Scientist	rajdhakar.iari@gmail.com
	Mr Mohd Jahangir	Lab Assistant (KRISHI)	mjahangir198@gmail.com
ICAR - ATARI		Director ATARI (Zone-I) Ludhiana	rajbirsingh.zpd@gmail.com
		Director ATARI (Zone-II) Jodhpur	sushilsinghiipr@yahoo.co.in
		Director ATARI (Zone-III) Kanpur	zpdicarkanpur@gmail.com
ICAR - IASRI	Dr Rajender Parsad	Director	rajender.parsad@icar.gov.in

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)
