



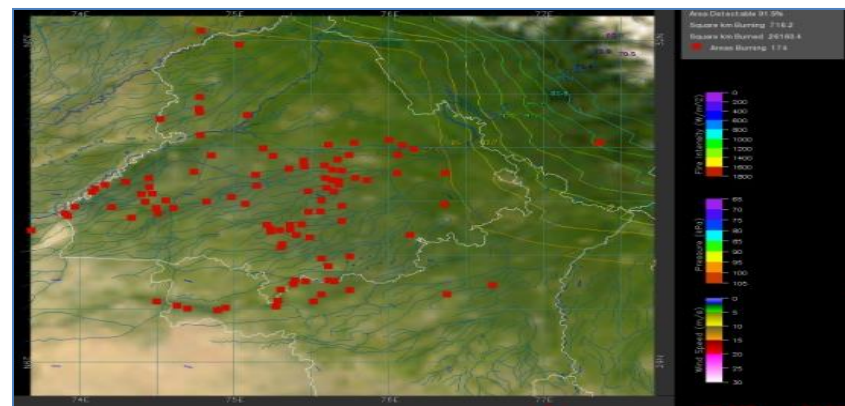
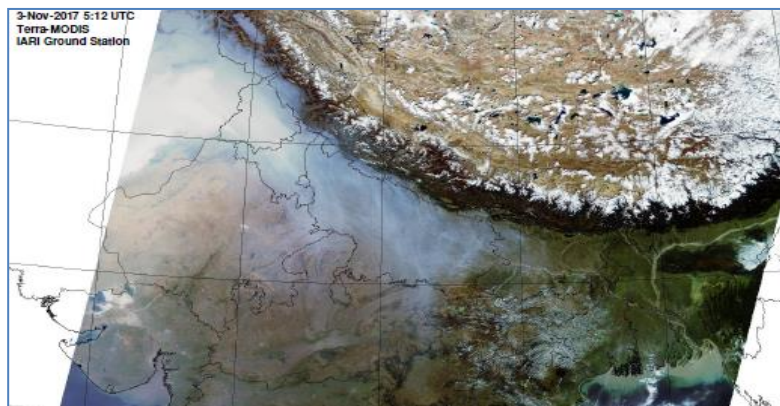
**Bulletin  
No. 49**

**Events Date:  
02-Nov-2023**

**Issued on:  
03-Nov-2023**



# **MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023**



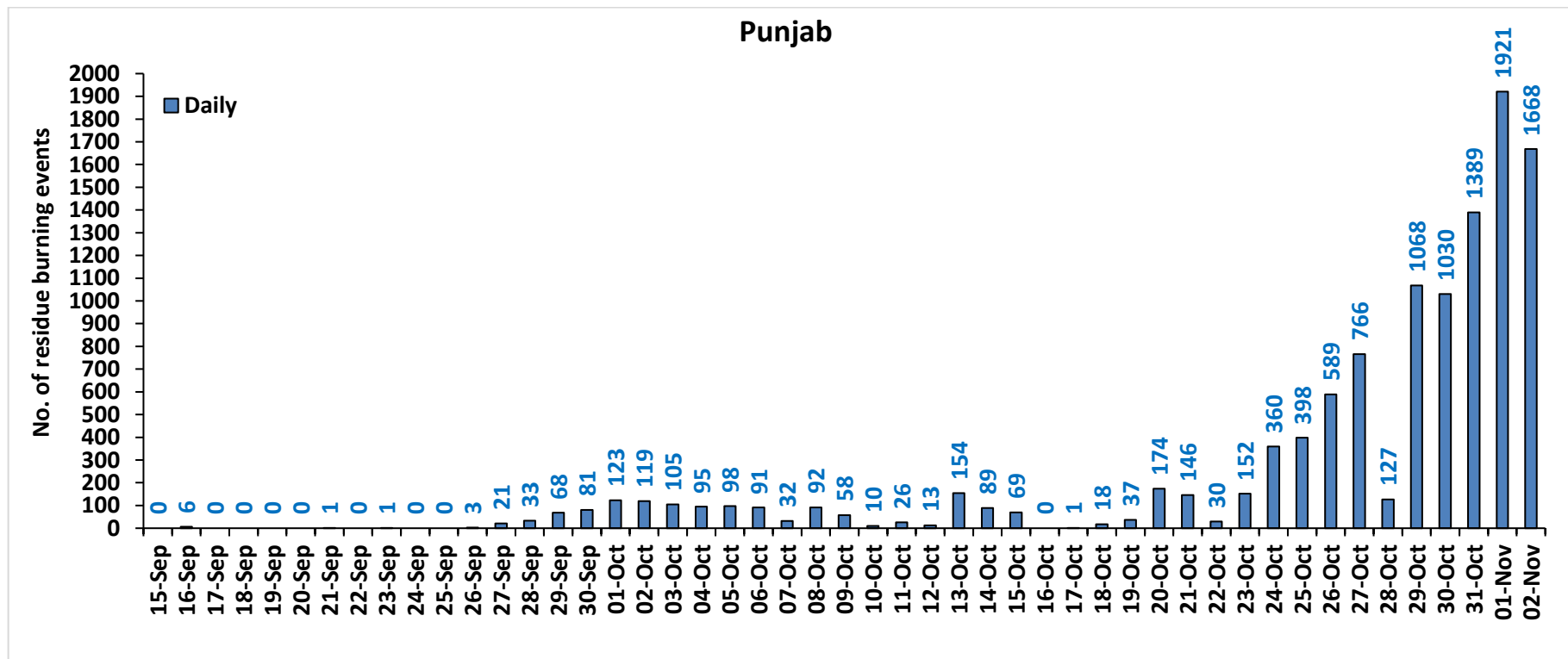
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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

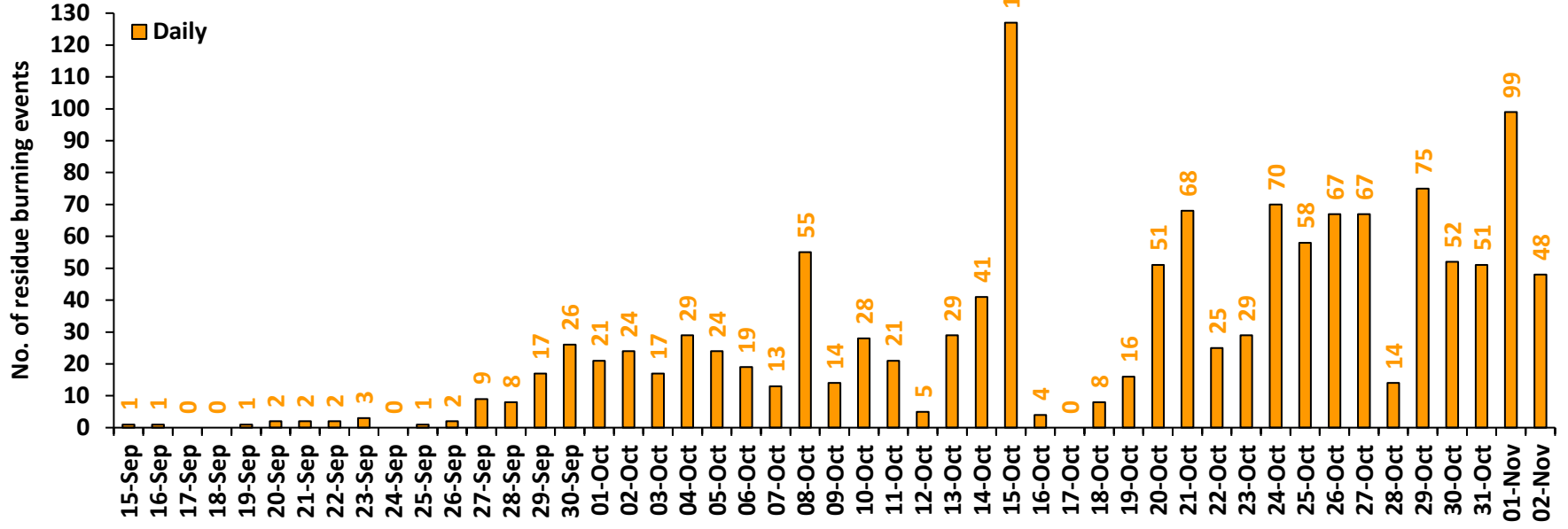
## Highlights for 02-Nov-2023

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **2194** residue burning events in the six study States on 02-Nov-2023.
- The state wise events detected on 02-Nov-2023 were **1668** in Punjab, **48** in Haryana, **37** in UP, **00** in Delhi, **40** in Rajasthan and **401** in MP.
- Total **18523** burning events were detected in the six states between 15-Sept-2023 and 02-Nov-2023, which are distributed as **11262**, **1344**, **1066**, **02**, **944** and **3905** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

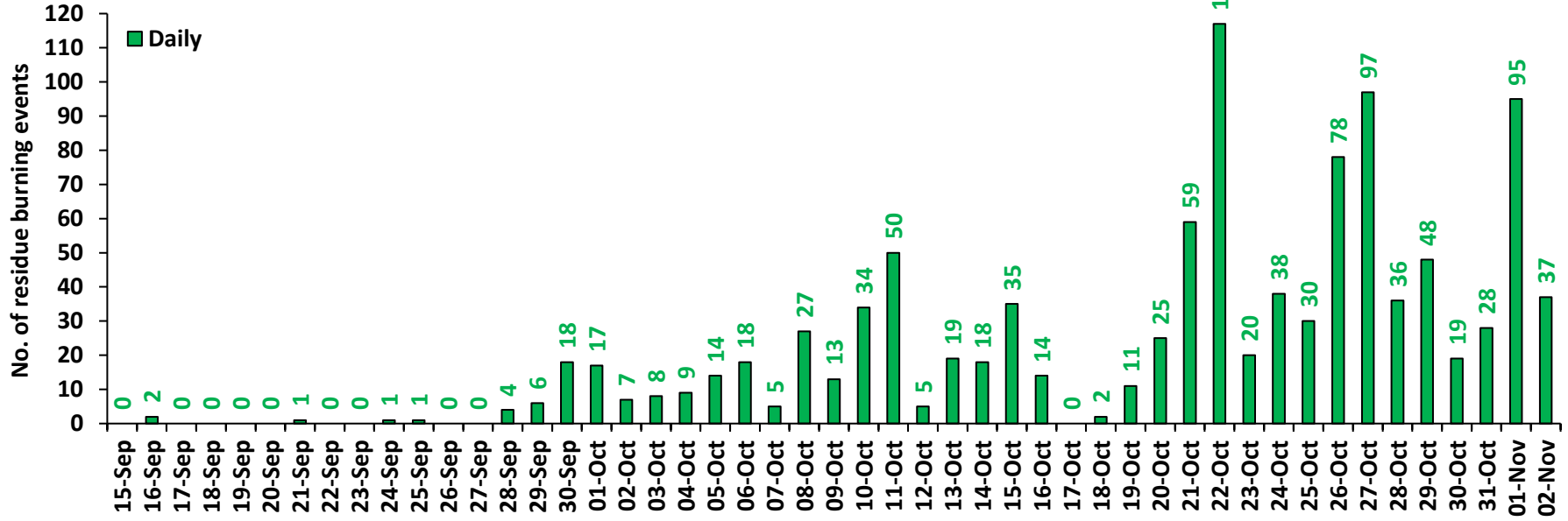
### Temporal distribution of rice residue burning events for the study States in 2023



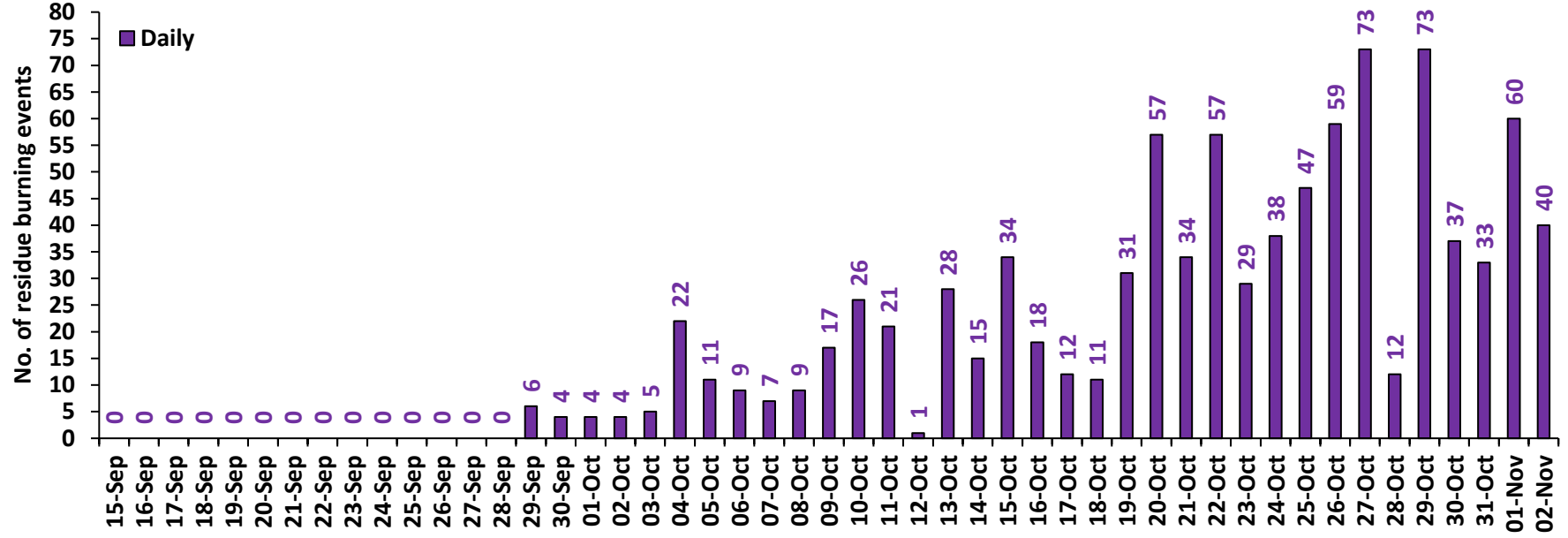
### Haryana



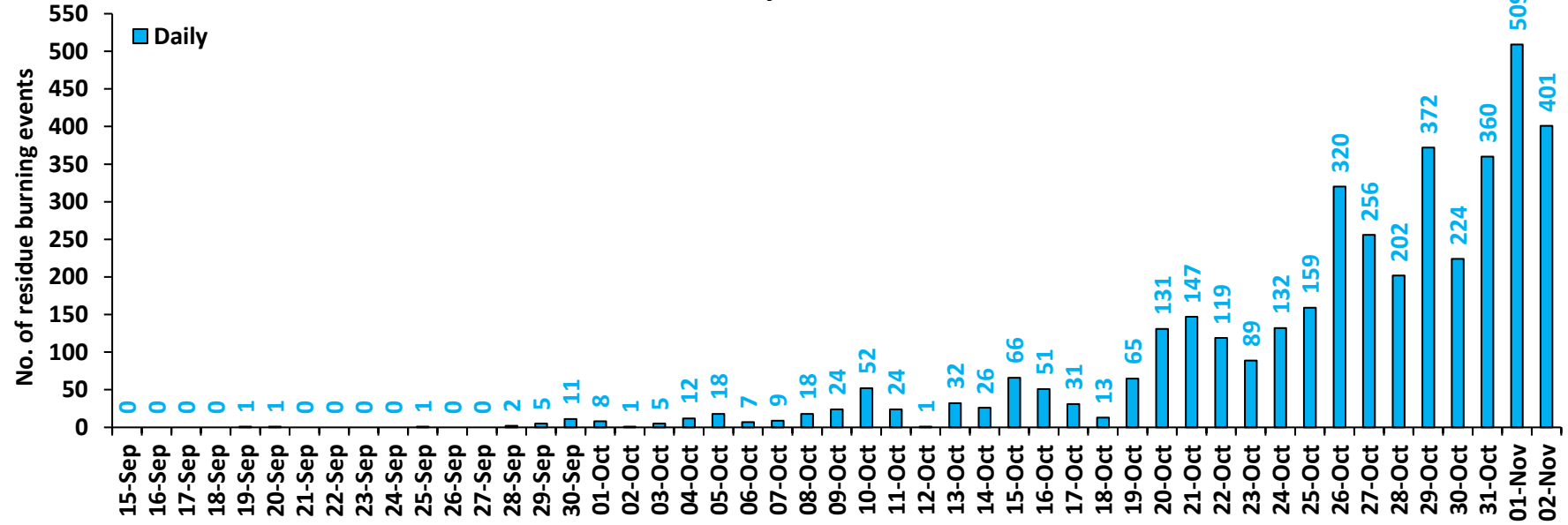
### Uttar Pradesh



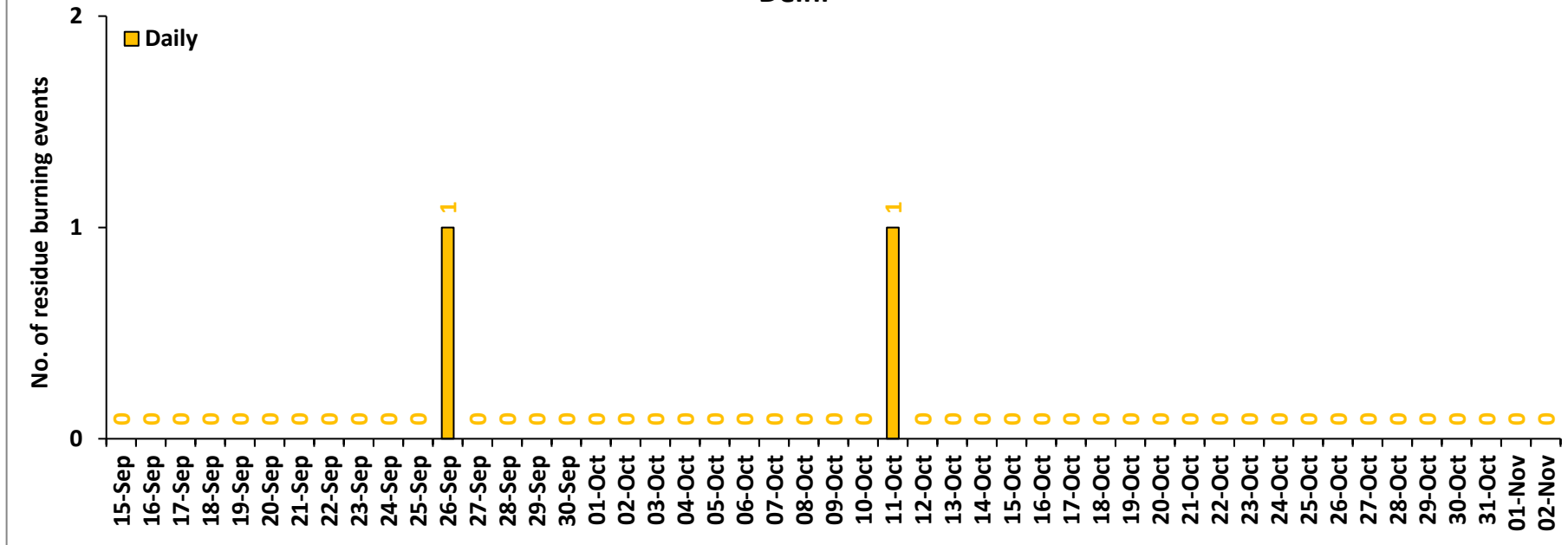
### Rajasthan



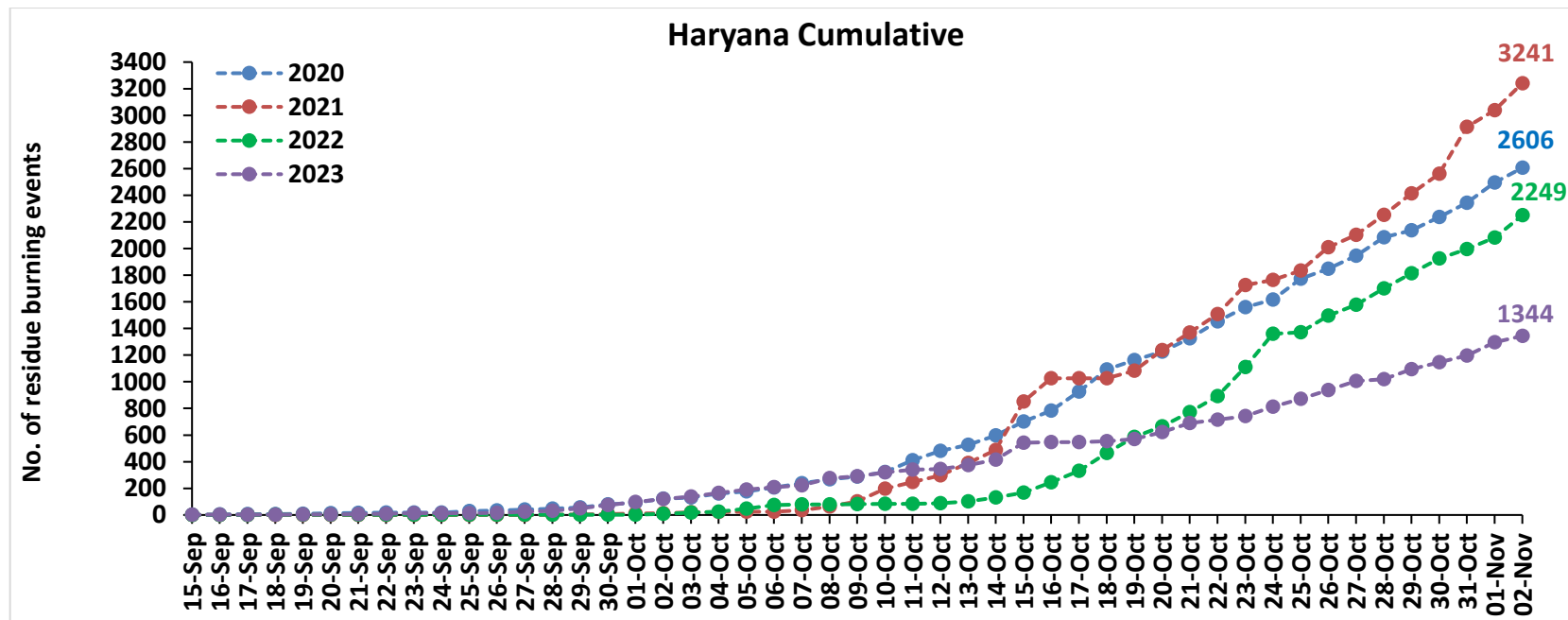
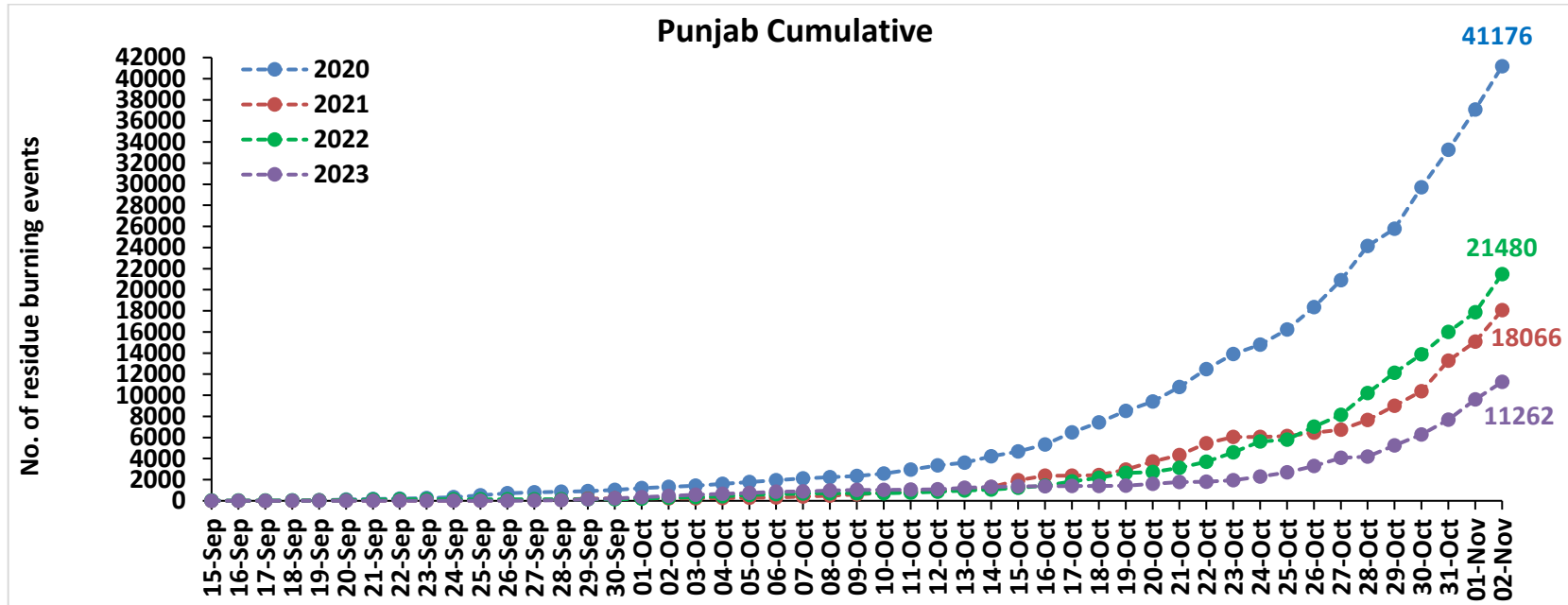
### Madhya Pradesh

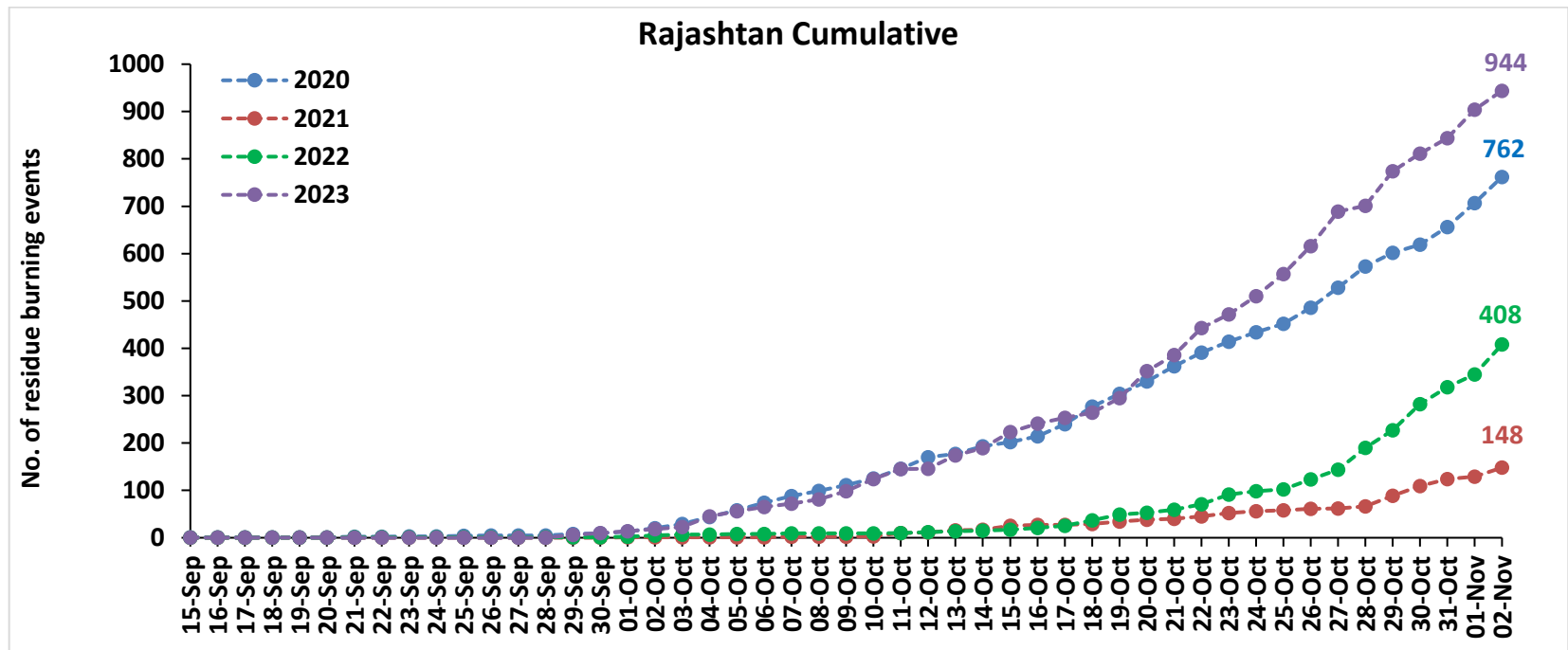
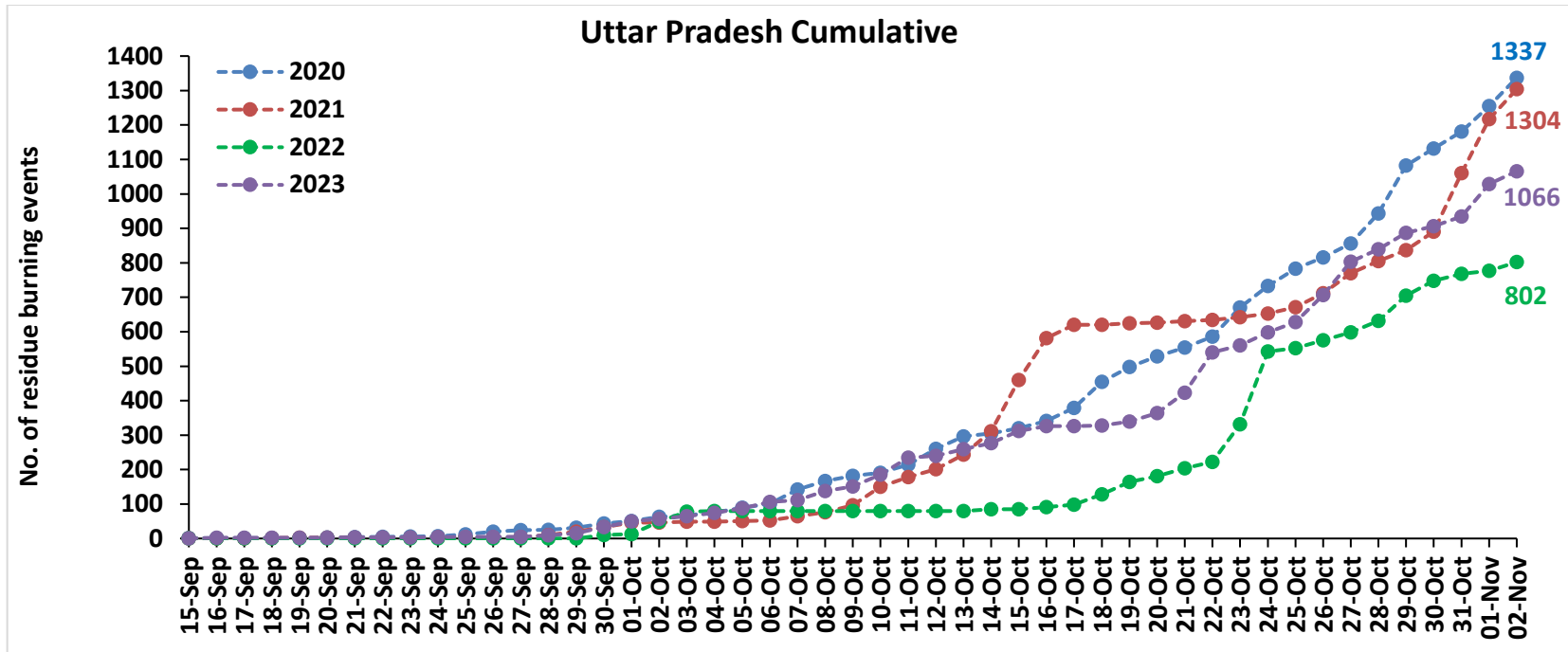


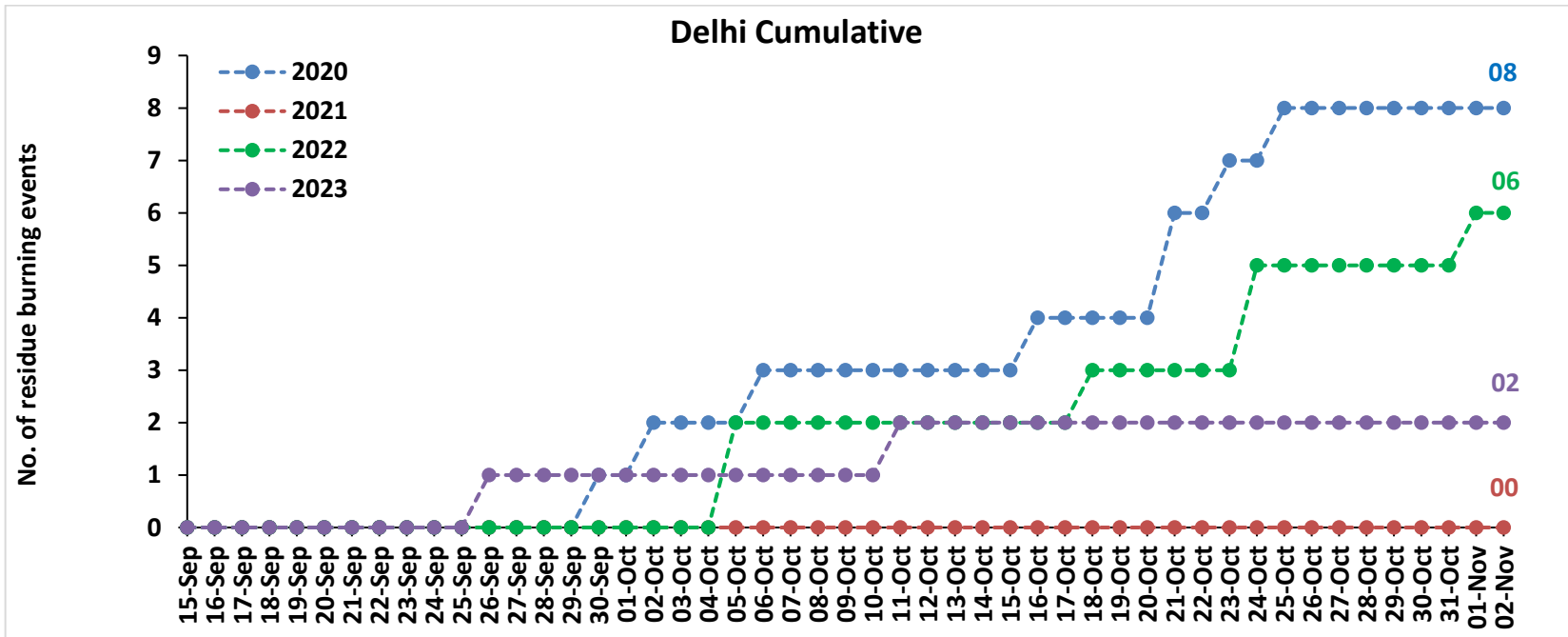
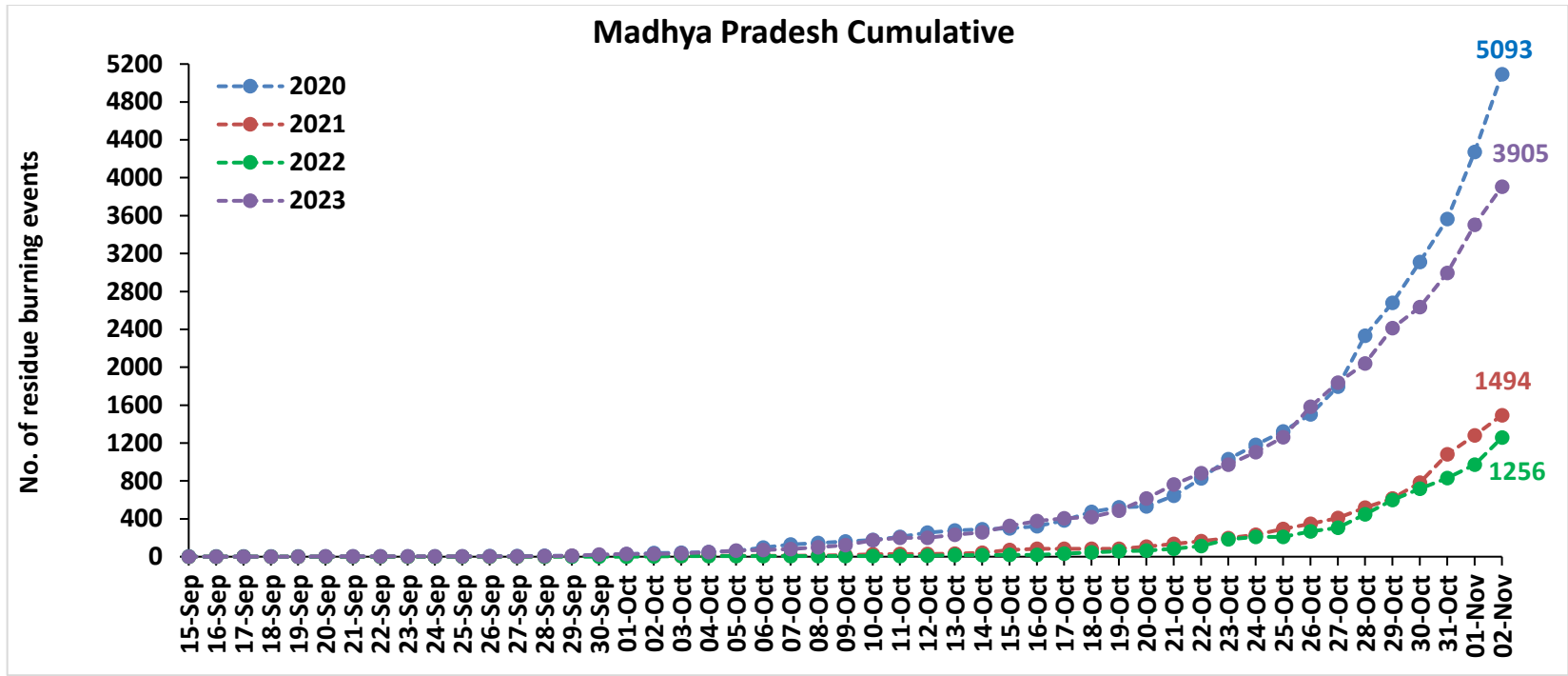
# Delhi



**Comparison of residue burning events in current year (2023) with previous years (2020, 2021 and 2022) for the study State**

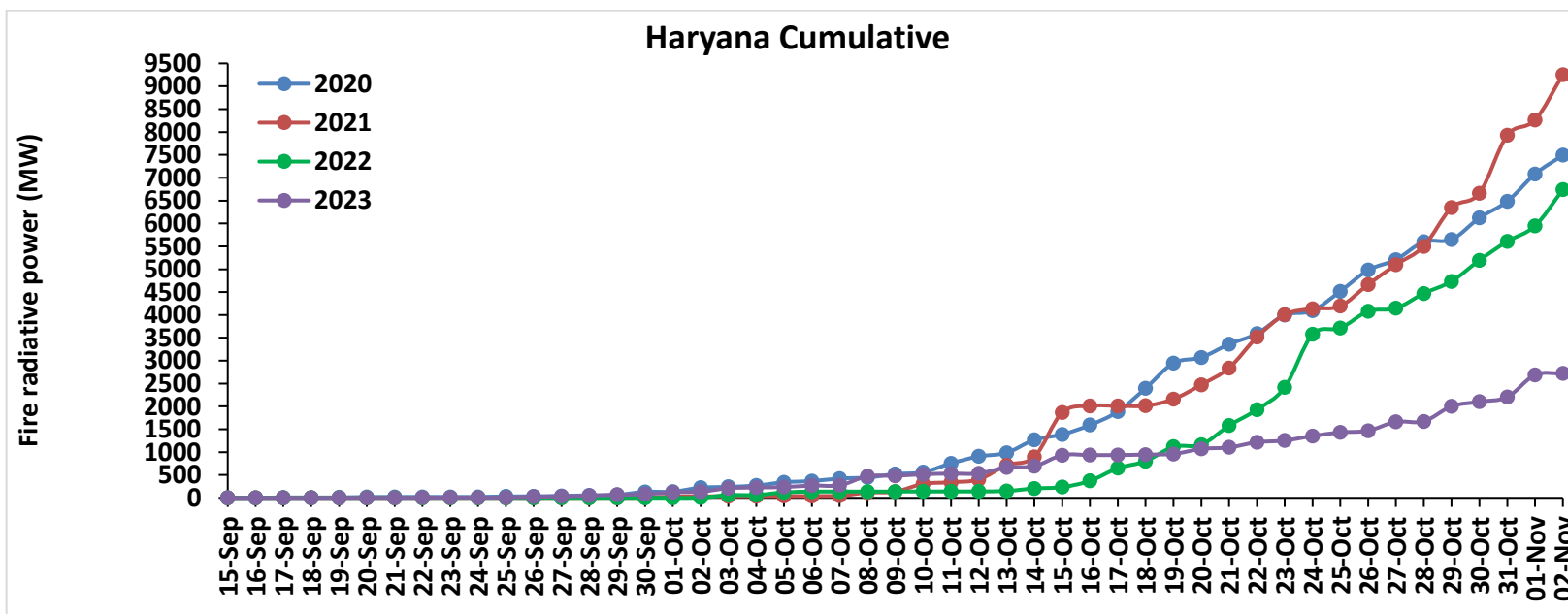
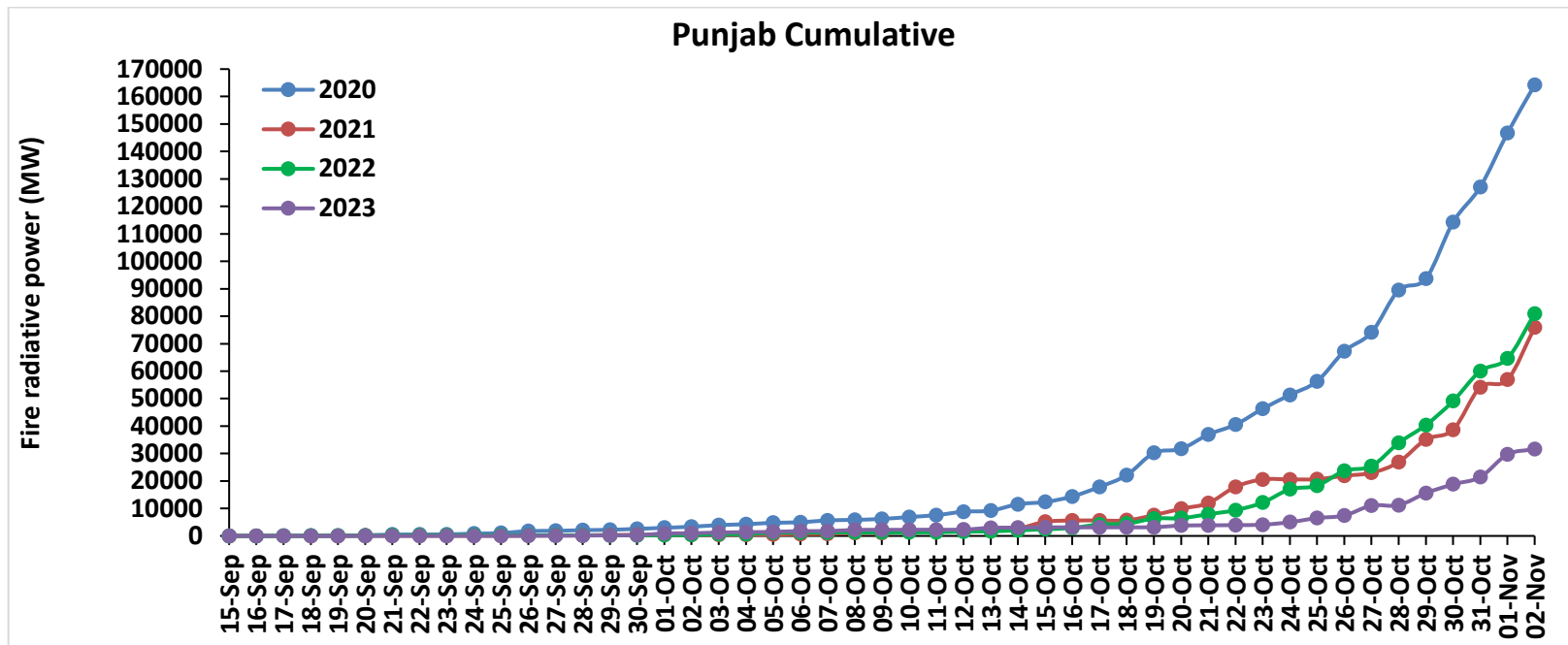


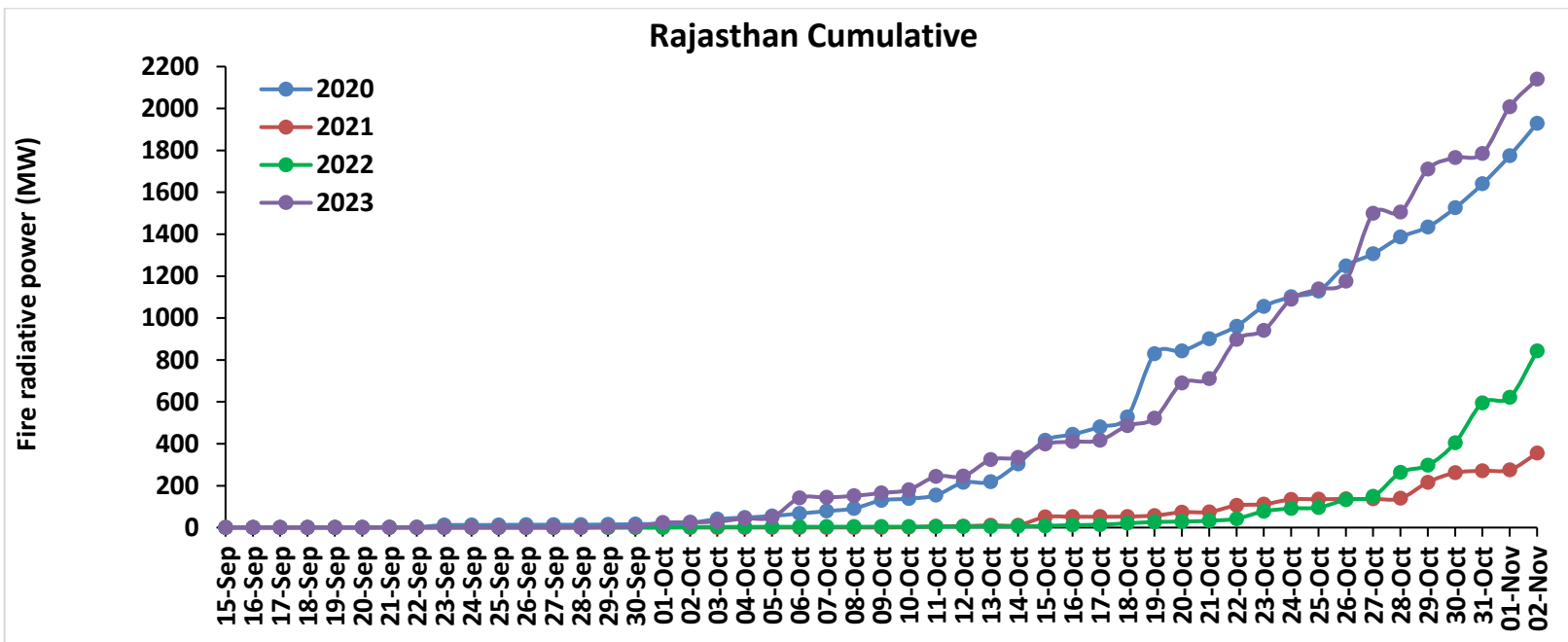
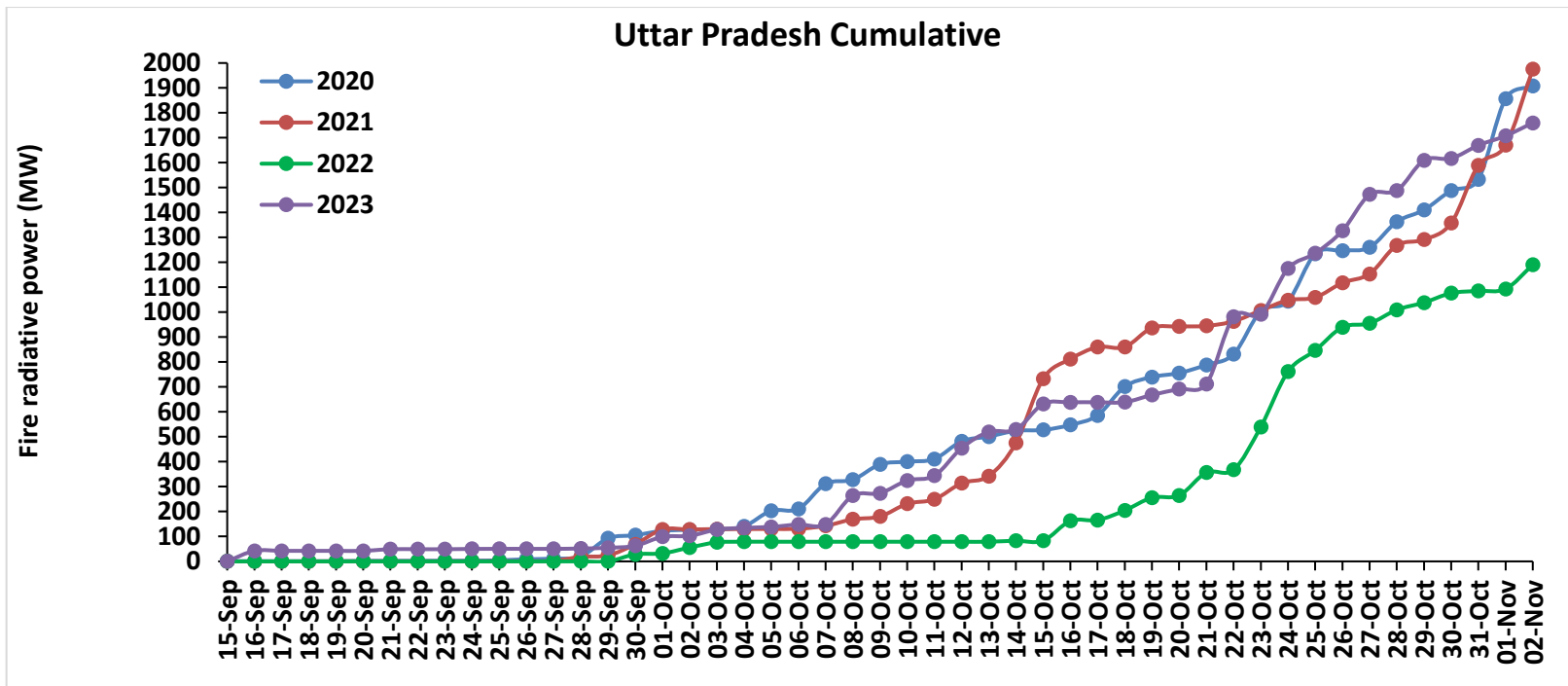


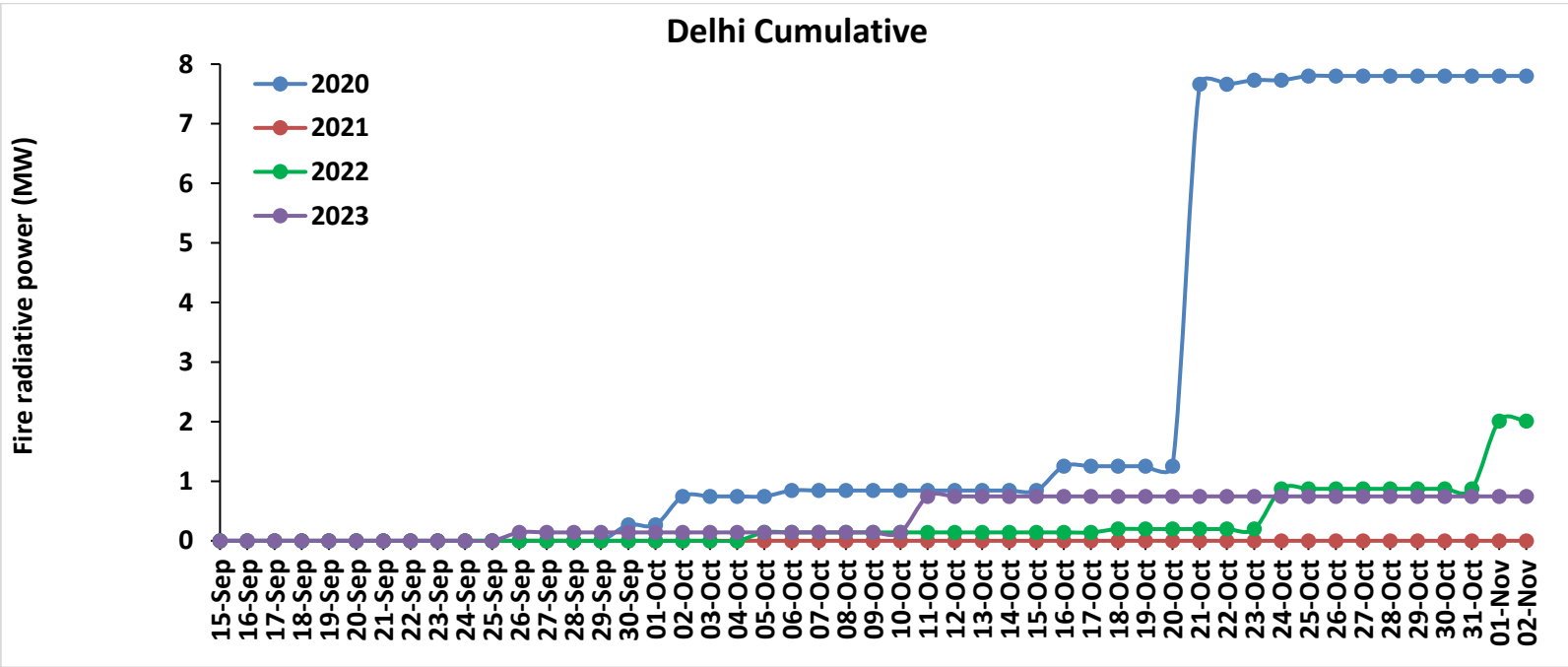
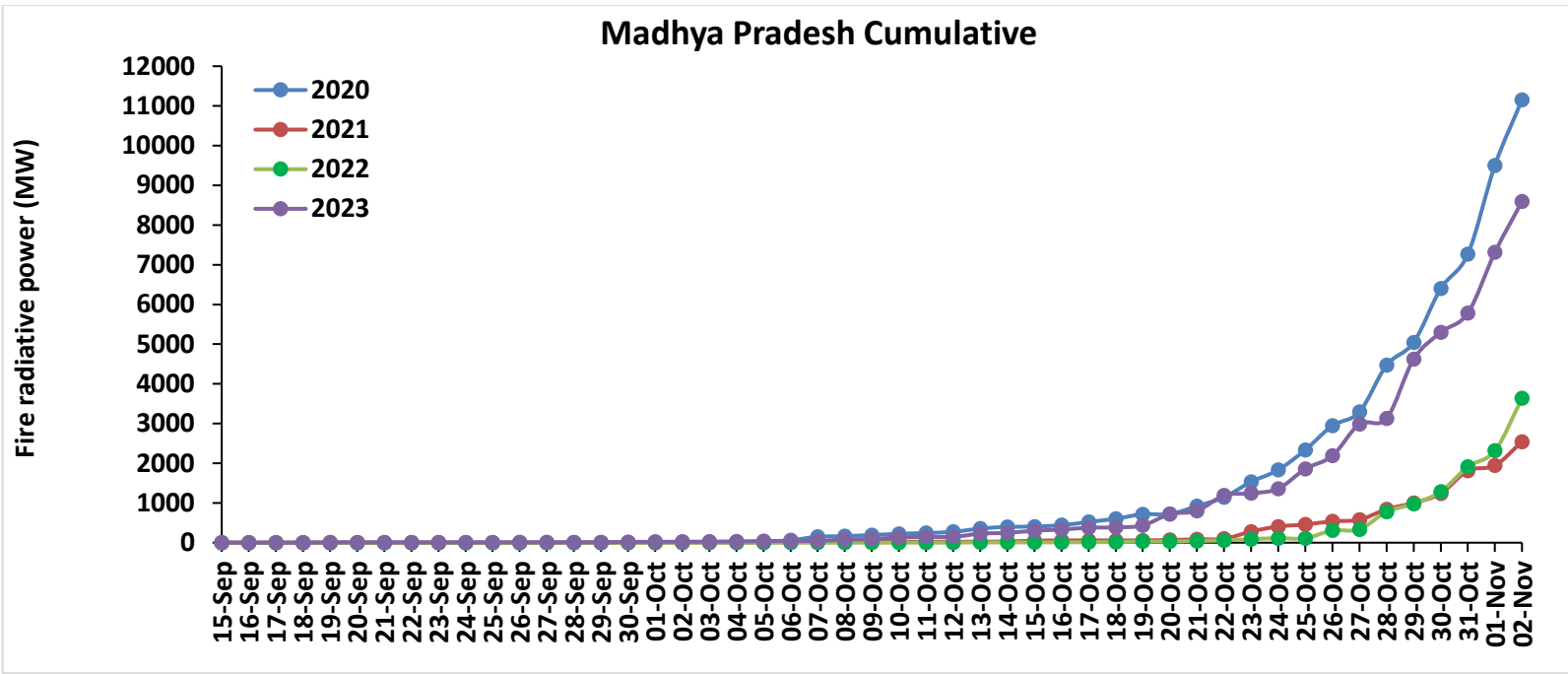




**Comparison of residue burning fire power in current year (2023) with previous years (2020, 2021 and 2022) for the study States**

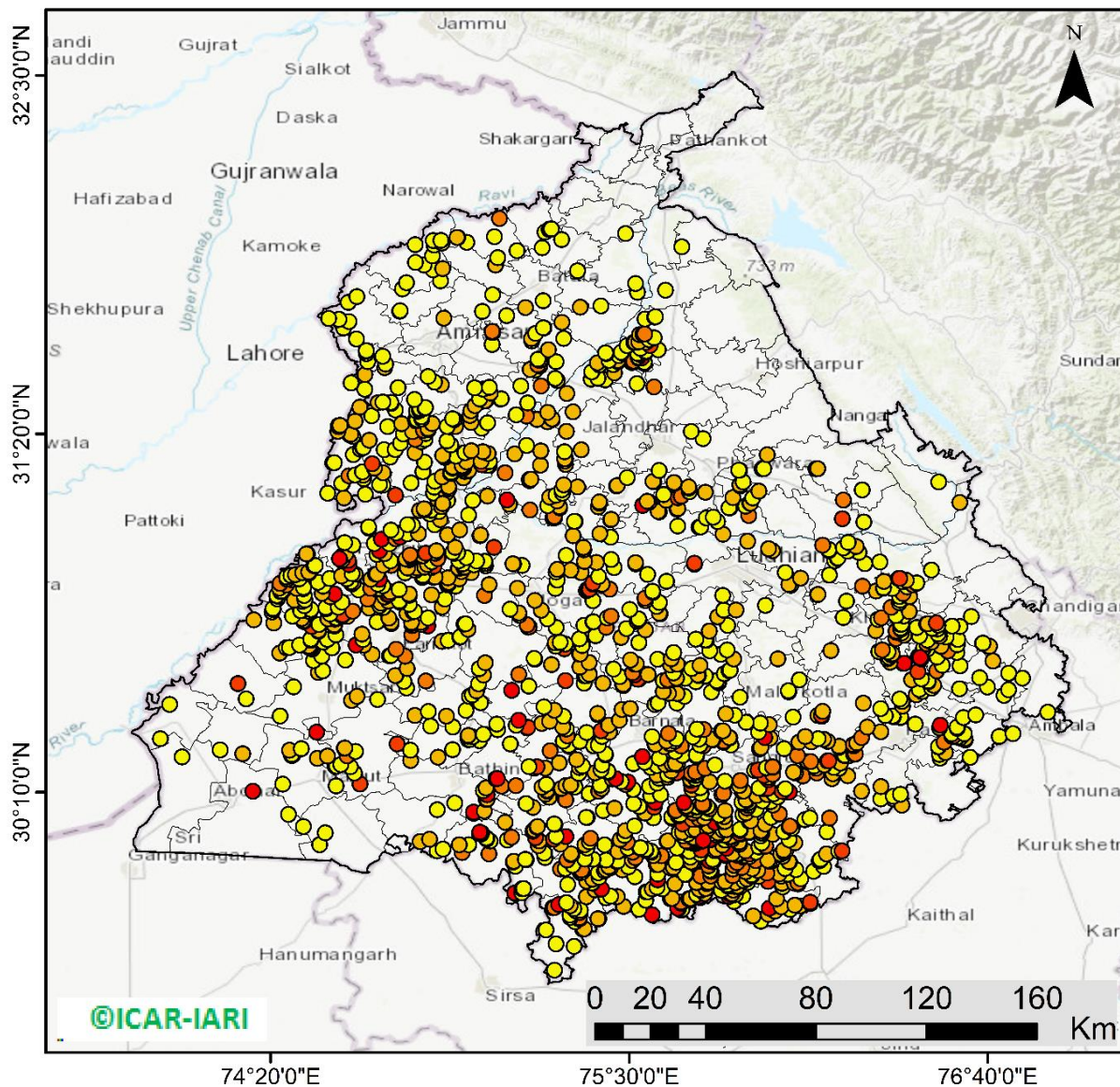






# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**1668** burning events detected in Punjab during (02nd Nov 2023)

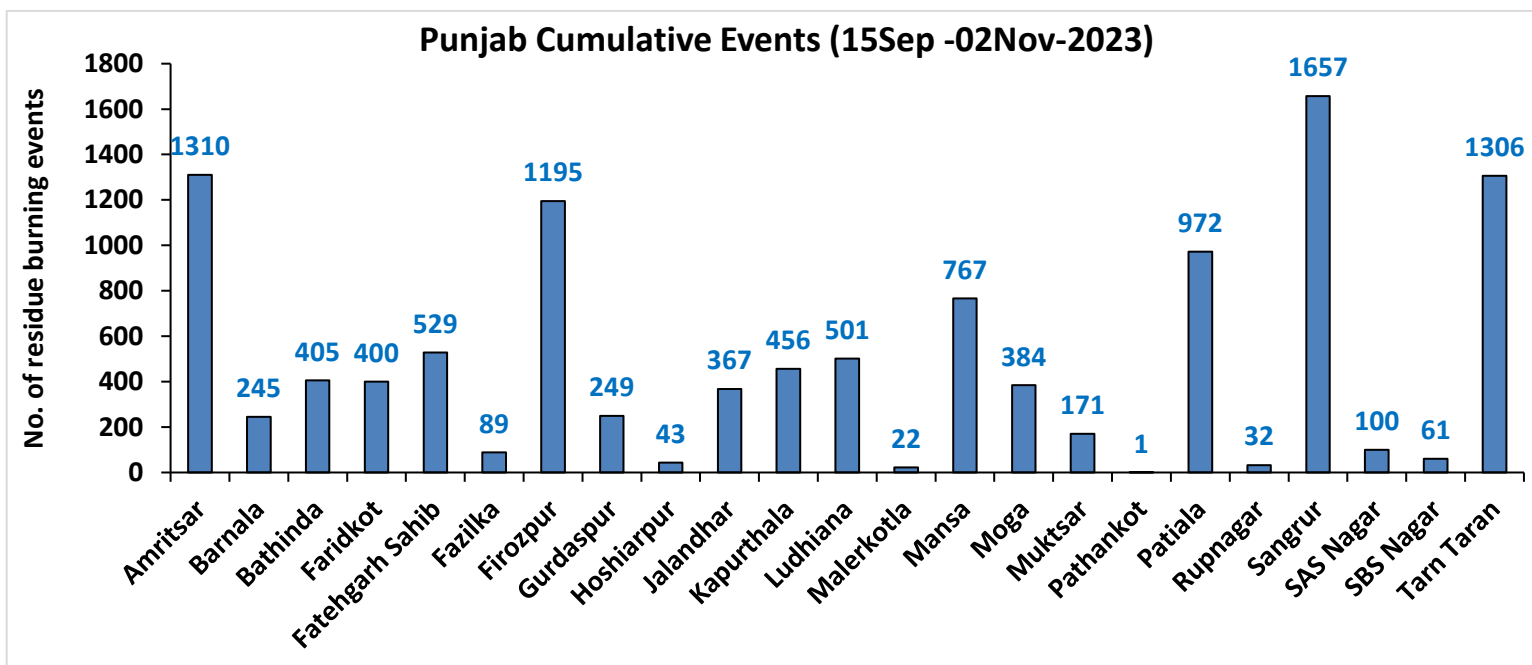
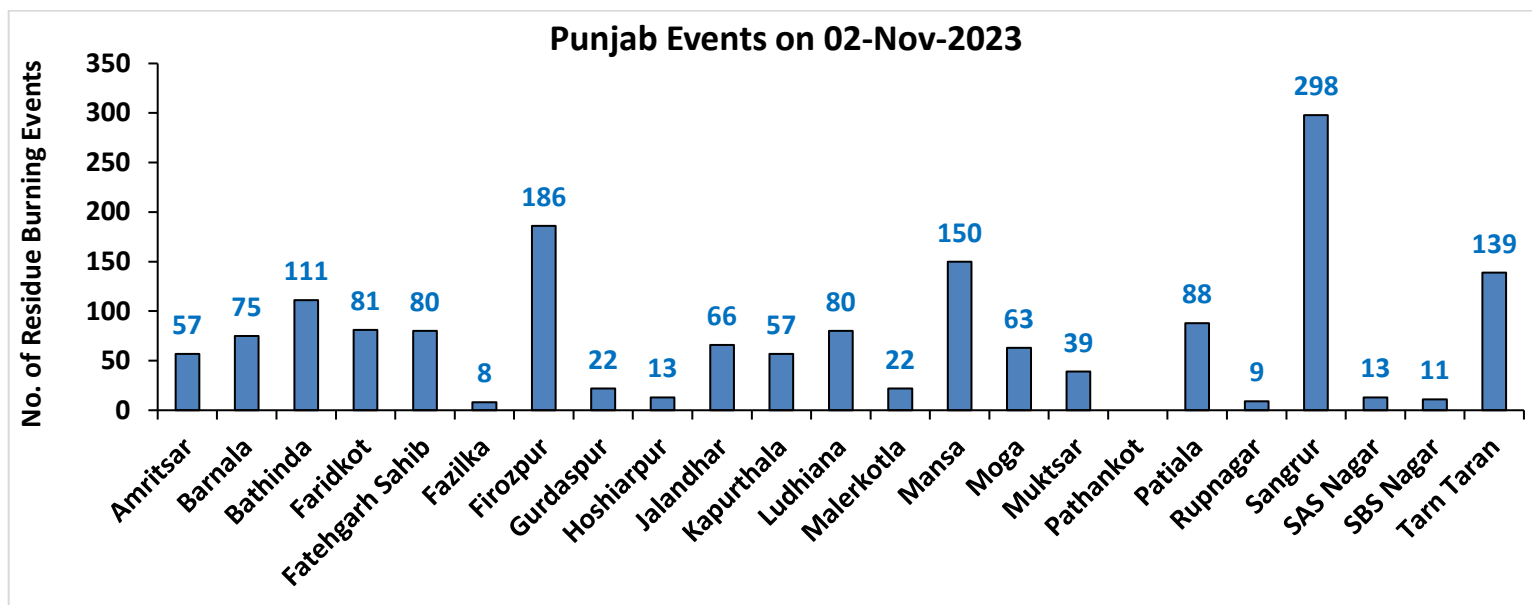
### Fire Intensity (W/m<sup>2</sup>)

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



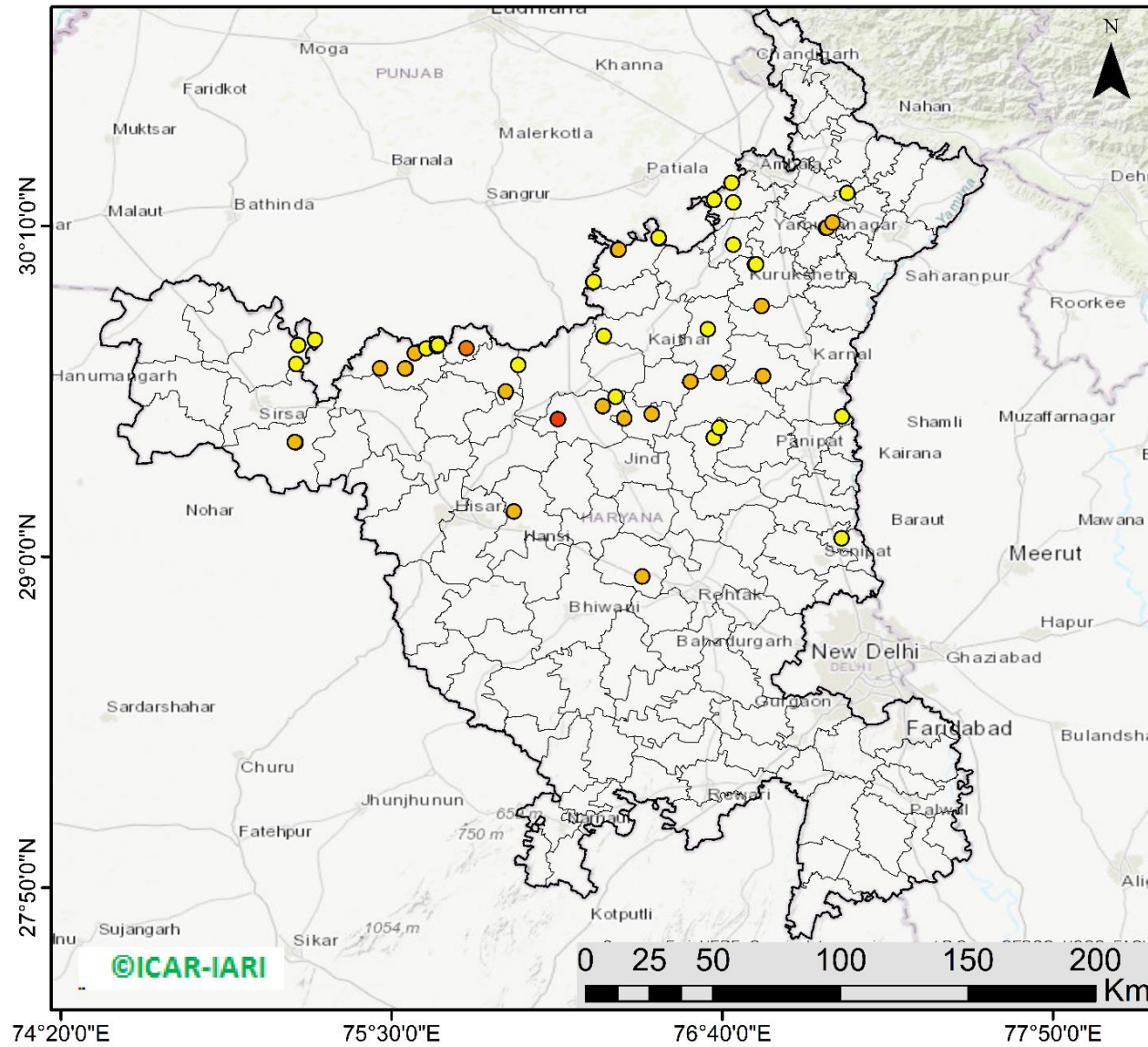
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Punjab (15Sep- 02Nov-2023)



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**48** burning events detected in Haryana on (02nd Nov 2023)

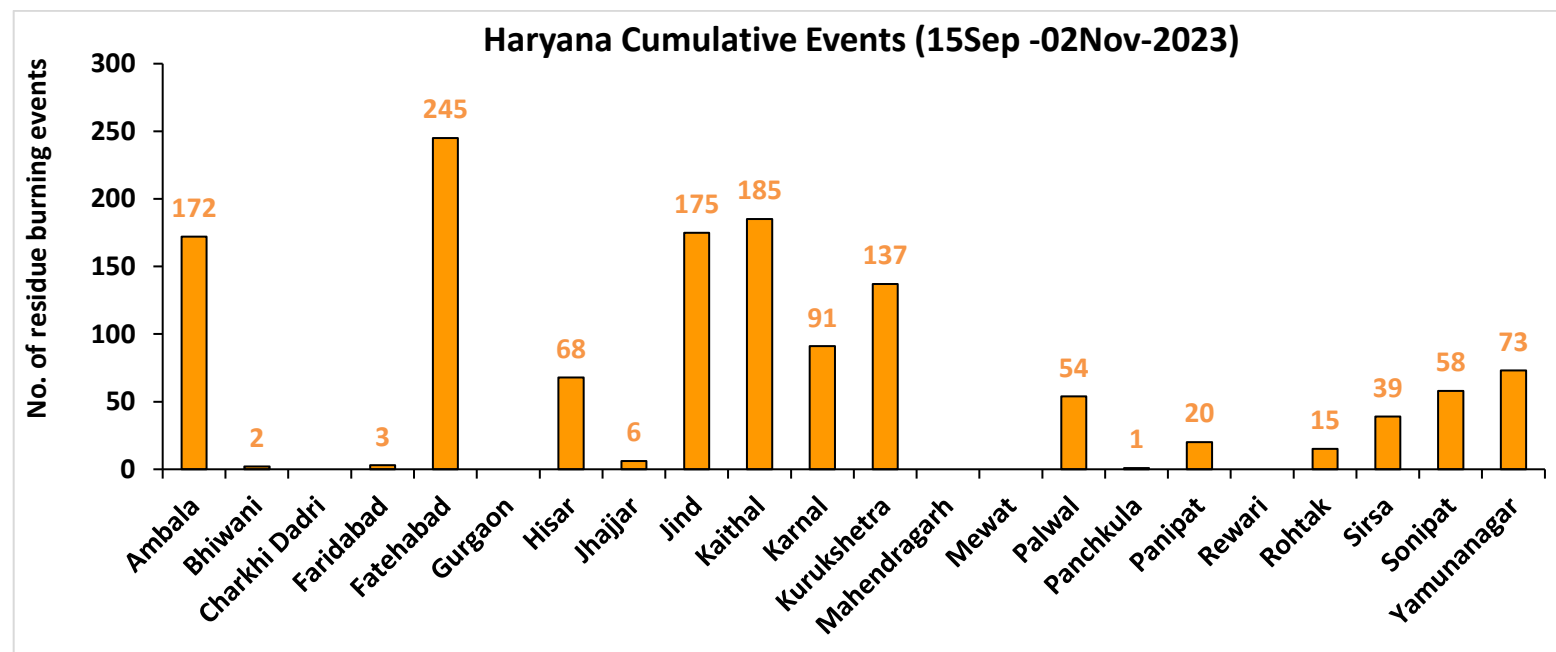
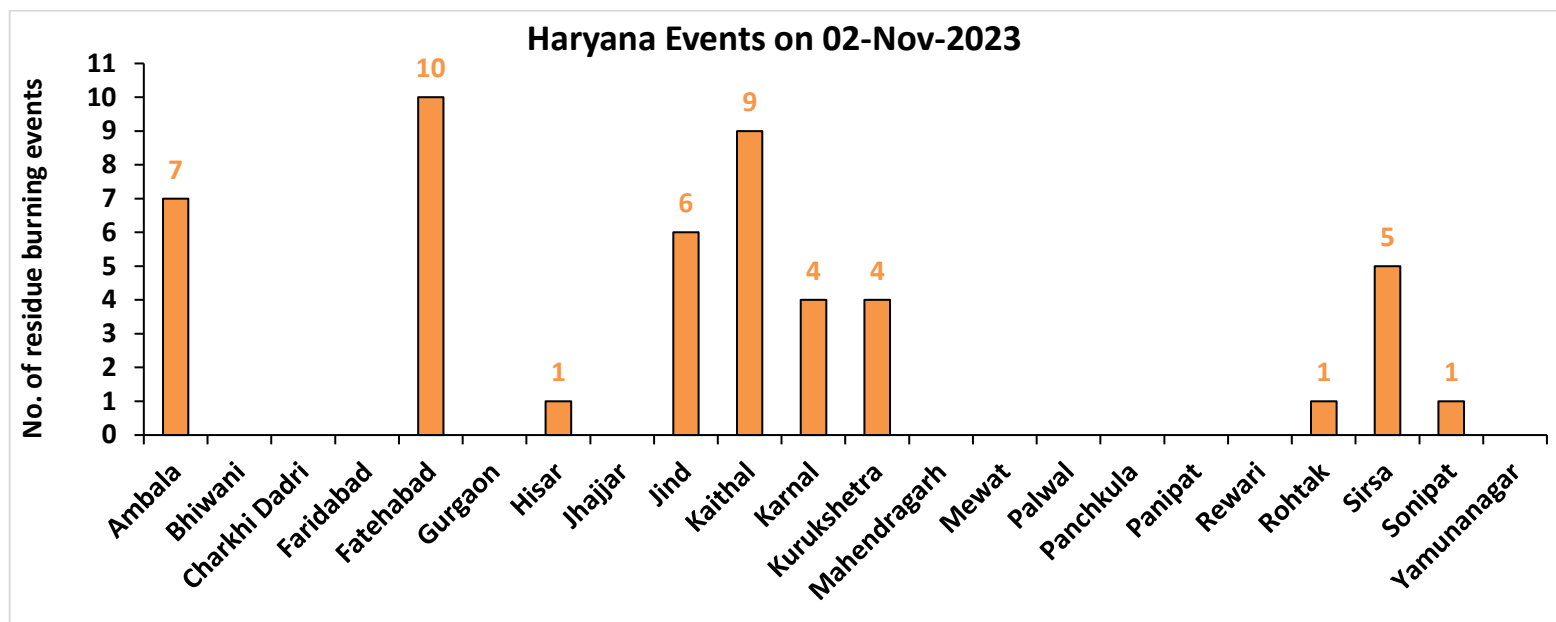
### Fire Intensity (W/m<sup>2</sup>)

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



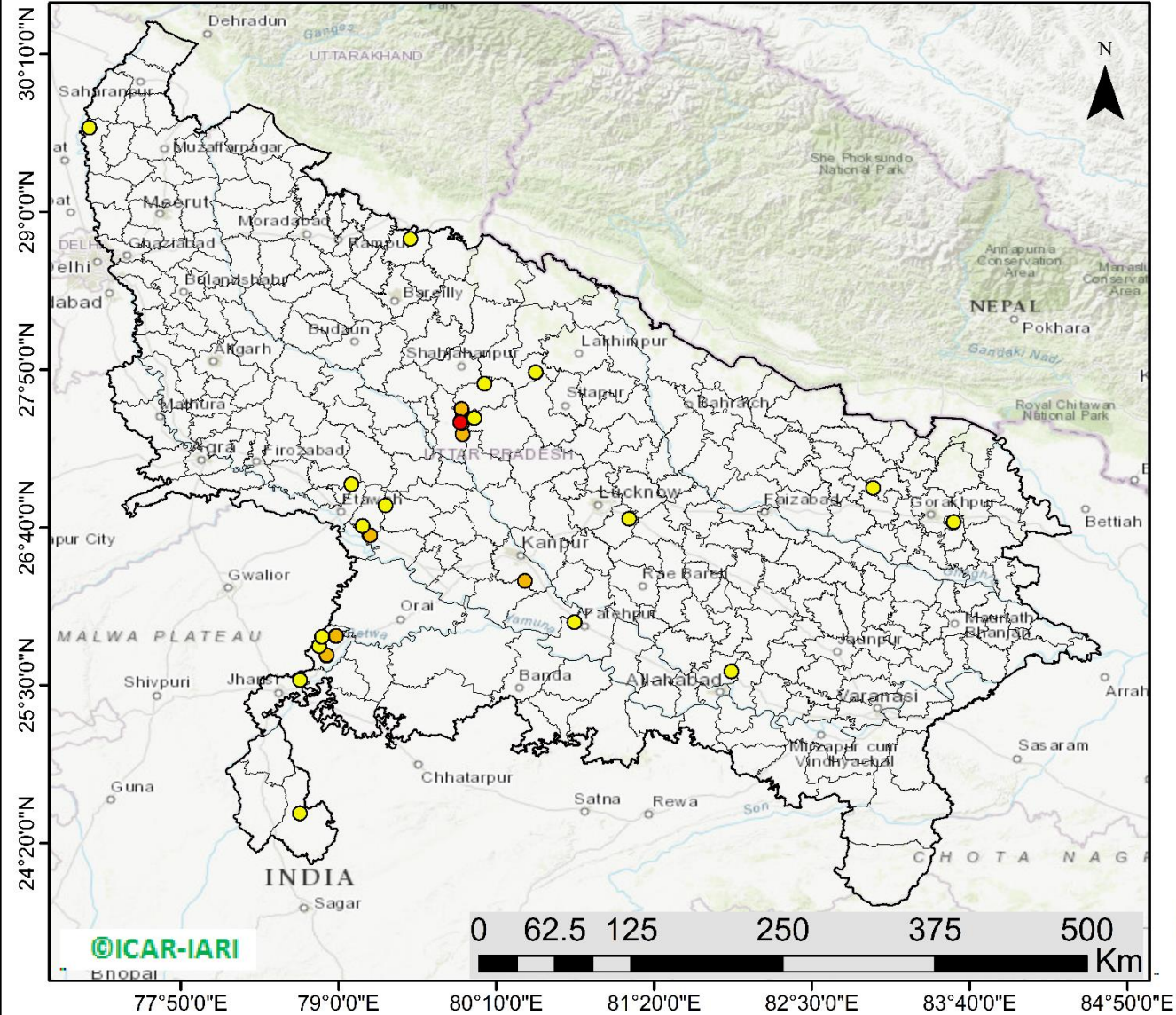
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15Sep- 02Nov-2023)



# Uttar Pradesh

## RICE RESIDUE BURNING IN UTTAR PRADESH



**37** burning events detected in Uttar Pradesh on (02nd Nov 2023)

### Fire Intensity (W/m2)

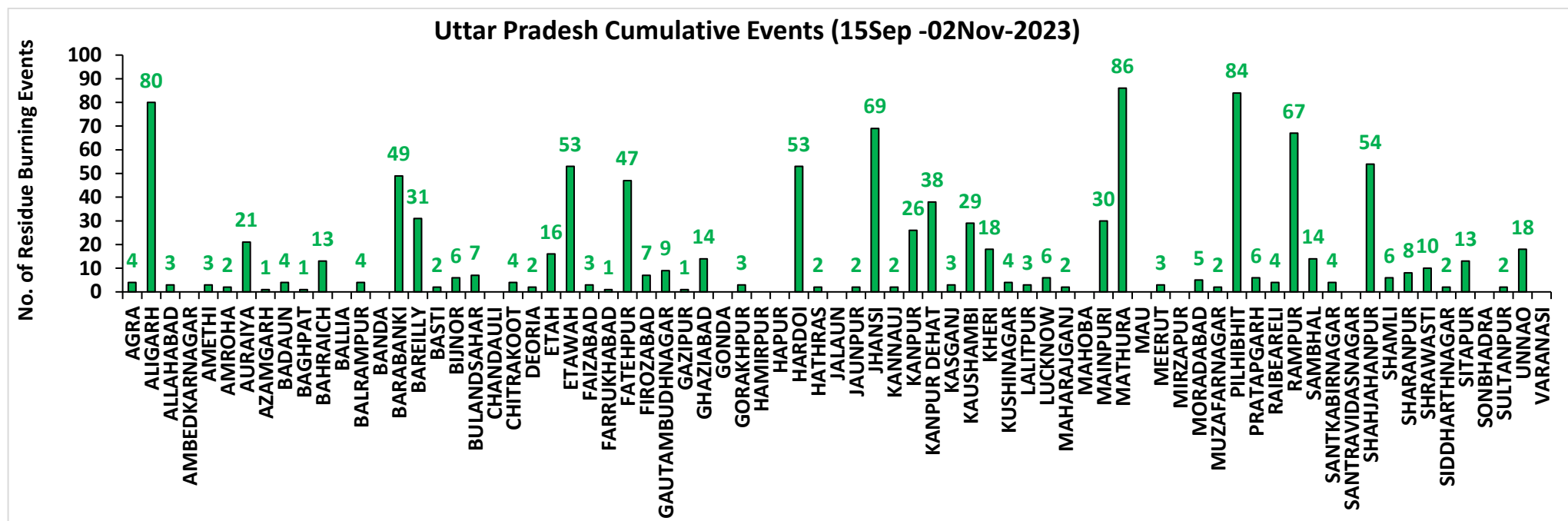
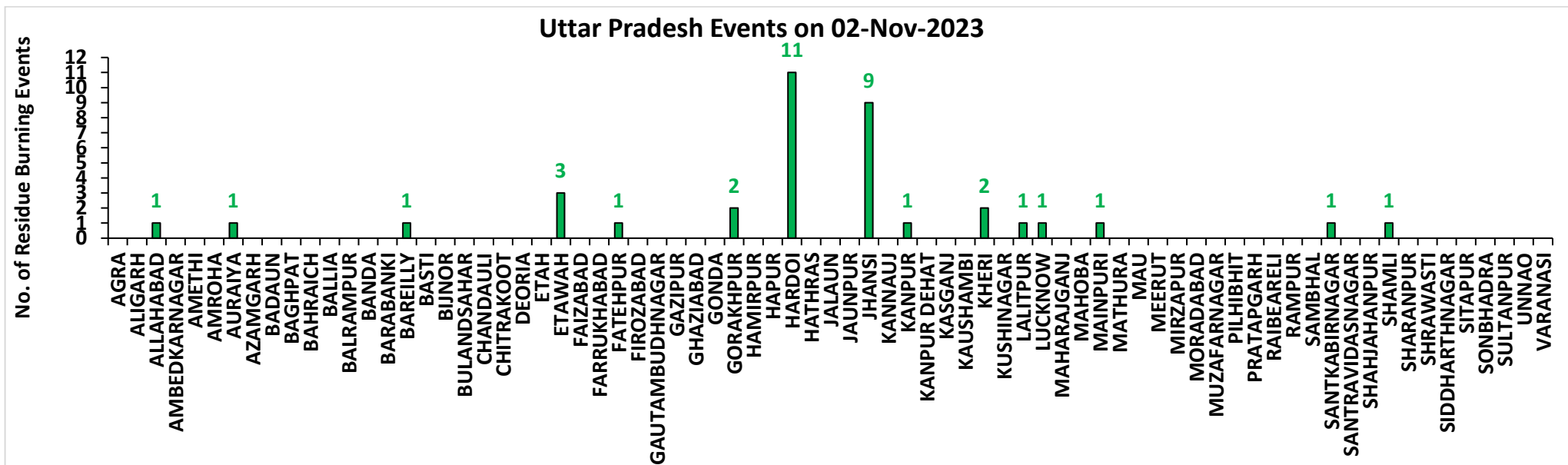
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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

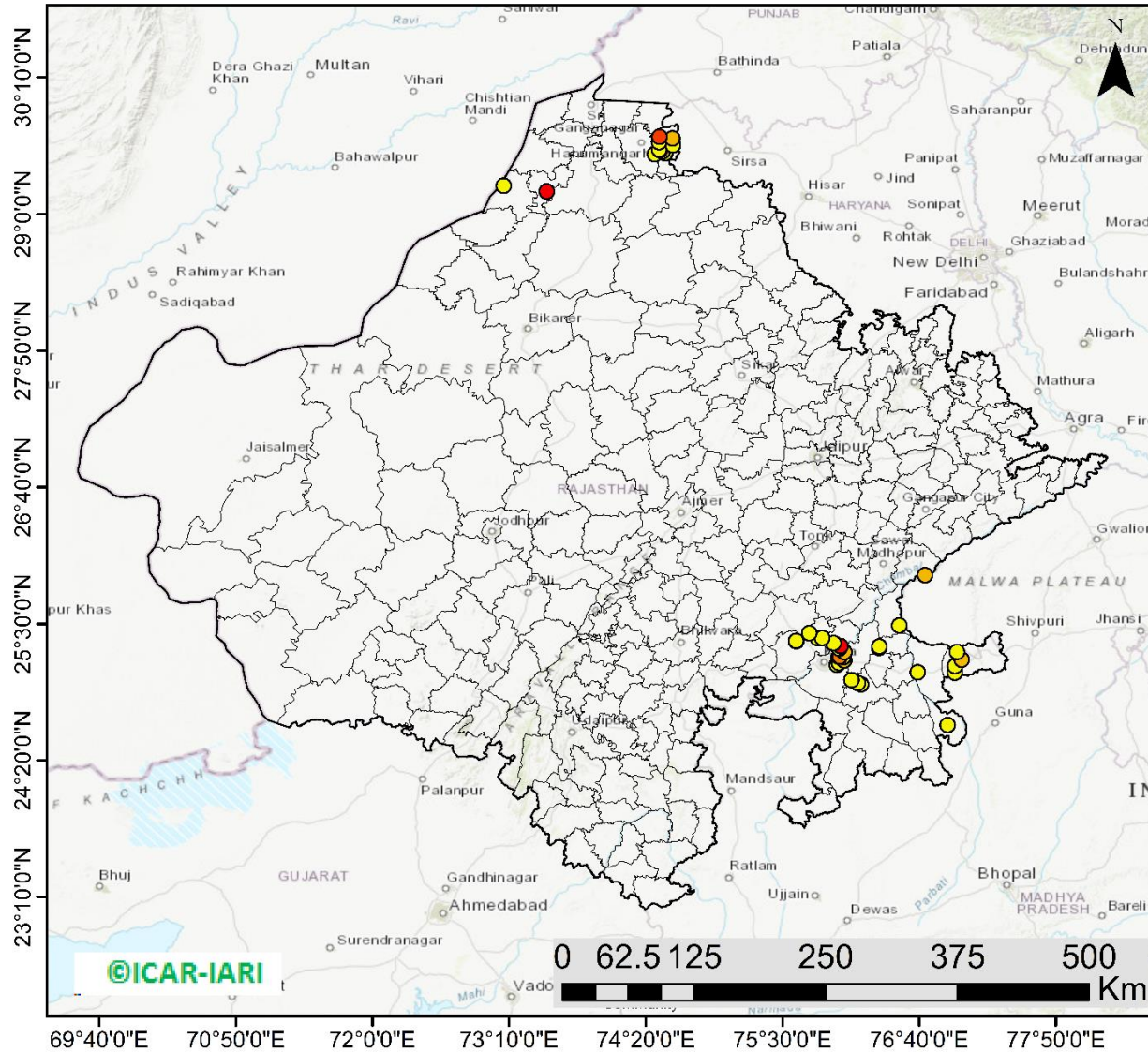


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-02Nov -2023)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**40** burning events  
detected in Rajasthan on  
**(02nd Nov 2023)**

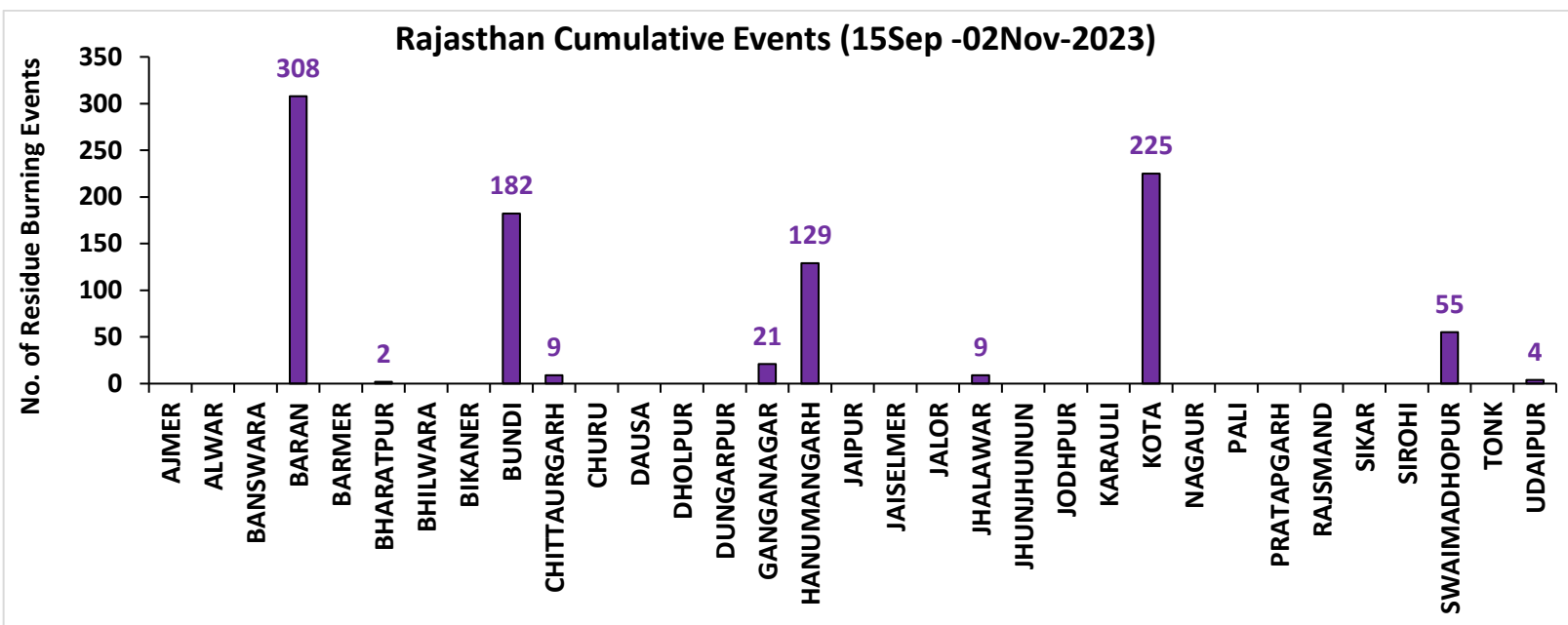
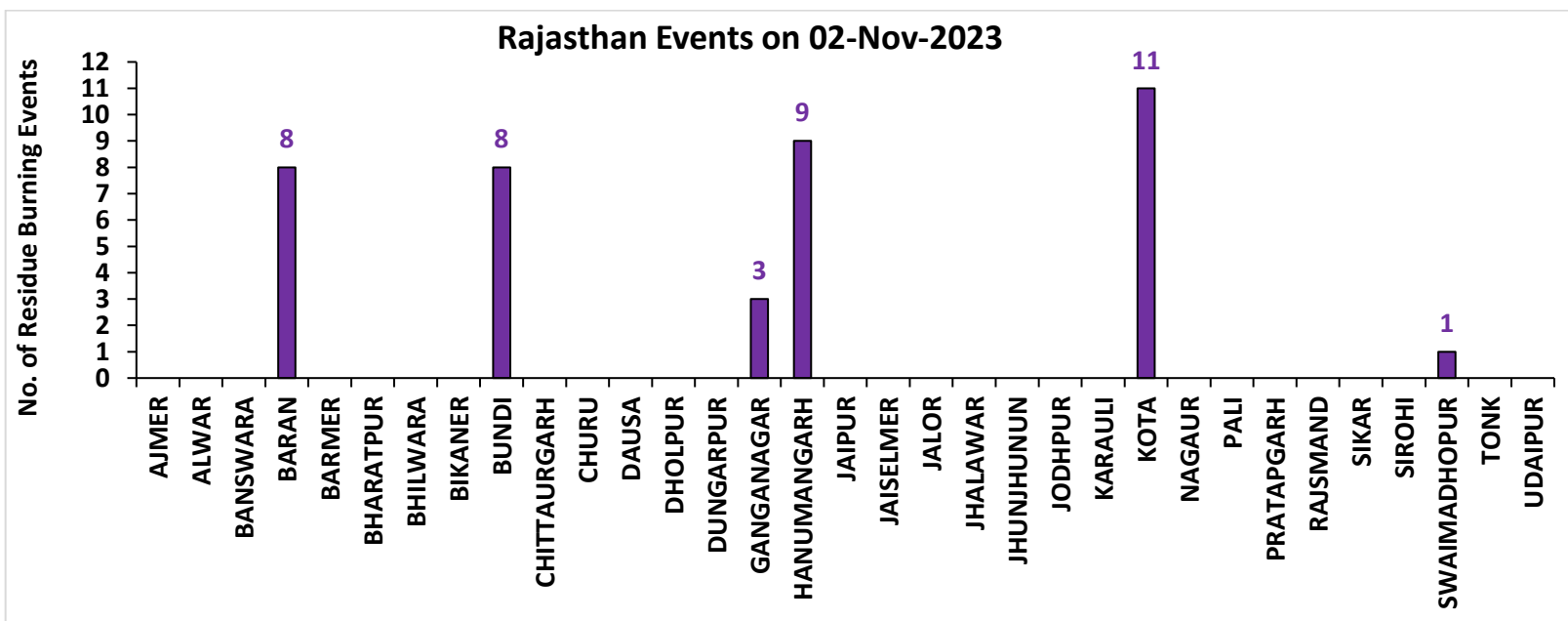
### Fire Intensity (W/m<sup>2</sup>)

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



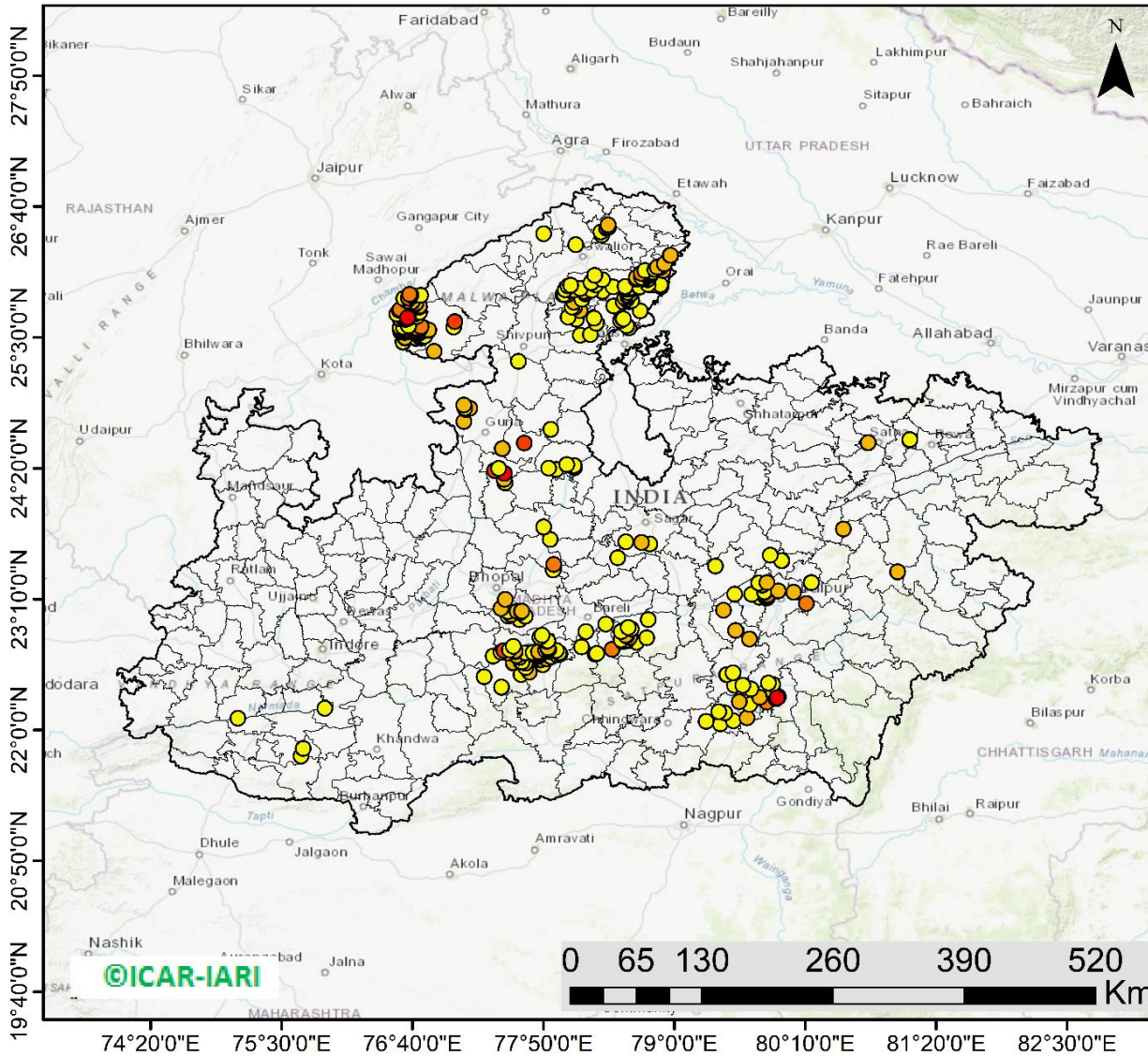
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15Sep-02Nov -2023)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**401** burning events detected in MP on (02nd Nov 2023)

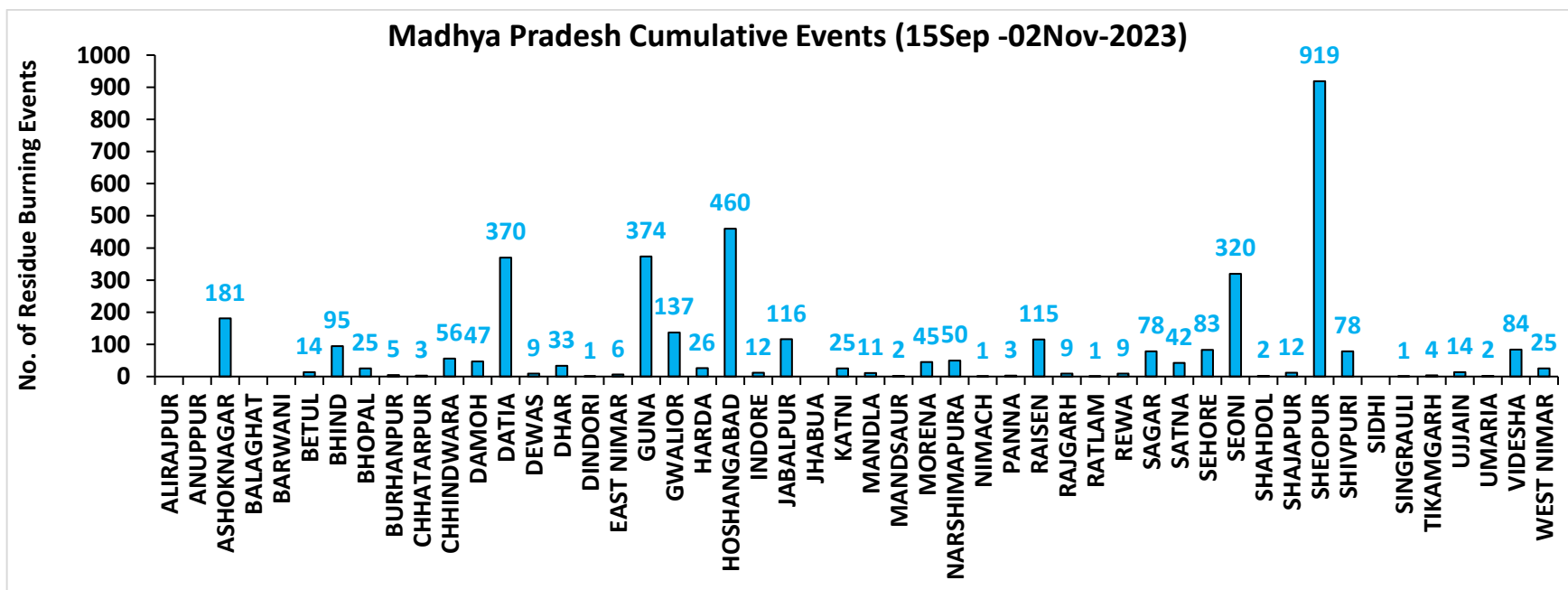
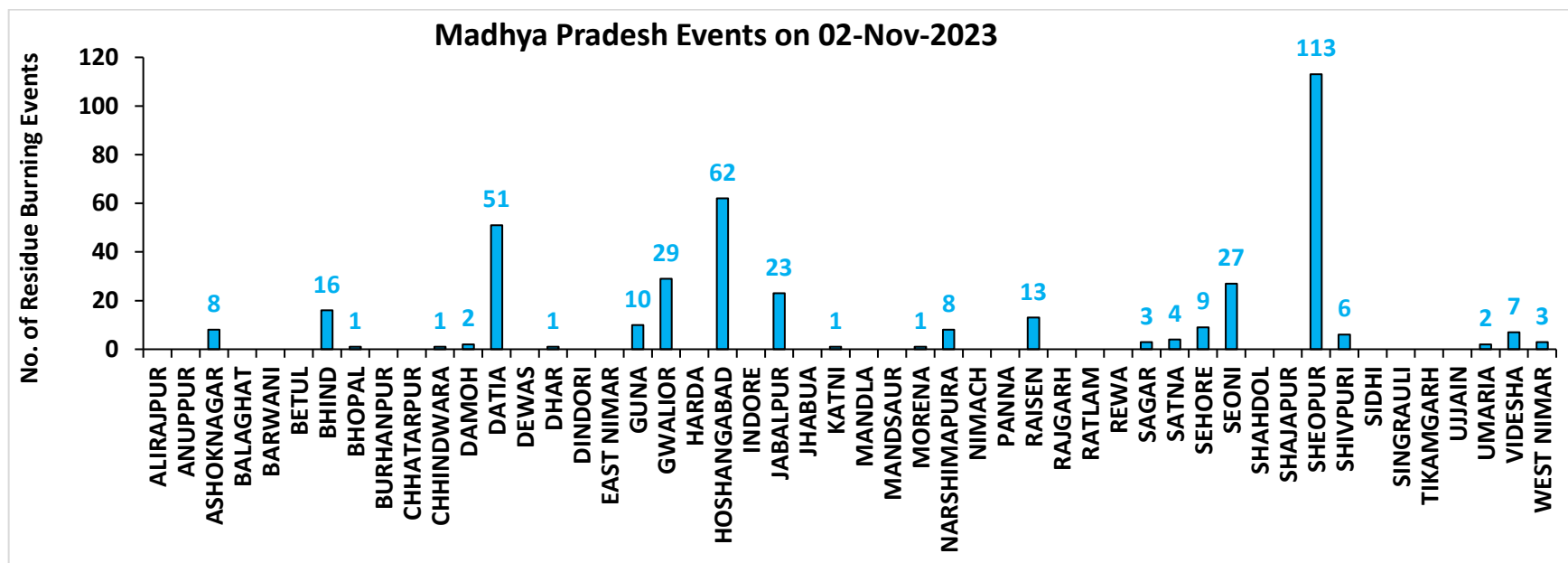
### Fire Intensity (W/m<sup>2</sup>)

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



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

## District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-02Nov -2023)



**District-wise cumulative number of residues burning events detected in 2020, 2021, 2022 and 2023**  
**(Period: 15 September-02 November)**

**(a) Punjab**

District	15 Sep-02 Nov			
	2020	2021	2022	2023
Amritsar	2830	1323	1406	1310
Barnala	1460	860	893	245
Bathinda	1519	833	1197	405
Faridkot	2075	1112	547	400
Fatehgarh Sahib	1203	444	892	529
Fazilka	422	239	287	89
Firozpur	5237	1758	1658	1195
Gurdaspur	2037	821	819	249
Hoshiarpur	347	183	218	43
Jalandhar	1204	771	955	367
Kapurthala	1619	1044	1055	456
Ludhiana	2072	1147	1025	501
Malerkotla*	---	---	---	22
Mansa	1147	370	713	767
Moga	1786	805	658	384
Muktsar	1561	860	553	171
Pathankot	10	3	0	1
Patiala	4160	1385	2420	972
Rupnagar	158	72	196	32
Sangrur	5176	1266	3025	1657
SAS NAGAR	120	91	92	100
SBS Nagar	87	73	127	61
Tarn Taran	4946	2606	2744	1306
<b>Total</b>	<b>41176</b>	<b>18066</b>	<b>21480</b>	<b>11262</b>

**(b) Haryana**

District	15 Sep-02 Nov			
	2020	2021	2022	2023
AMBALA	329	203	185	172
BHIWANI	1	0	0	2
CHARKHI DADRI	0	0	0	0
FARIDABAD	1	2	1	3
FATEHABAD	295	443	394	245
GURGAON	0	0	0	0
HISAR	16	23	40	68
JHAJJAR	5	0	1	6
JIND	106	221	267	175
KAITHAL	628	819	547	185
KARNAL	532	750	260	91
KURUKSHETRA	398	474	289	137
MAHENDRAGARH	0	0	0	0
MEWAT	0	0	0	0
PALWAL	42	61	32	54
PANCHKULA	0	0	0	1
PANIPAT	22	47	28	20
REWARI	0	0	0	0
ROHTAK	14	0	0	15
SIRSA	64	56	70	39
SONIPAT	30	23	16	58
YAMUNANAGAR	123	119	119	73
<b>Total</b>	<b>2606</b>	<b>3241</b>	<b>2249</b>	<b>1344</b>

\* Note: Malerkota 2023 events are reported separately from 2-Nov-2023.

Till 1-Nov-2023 Malerkotla events are included in Sangrur events

## € Uttar Pradesh

District	15 Sep-02 Nov													
	2020	2021	2022	2023	GAUTAMBUDHNAGAR	9	12	10	9	MUZAFARNAGAR	6	3	1	2
AGRA	4	0	0	4	GAZIPUR	0	0	0	1	PILHIBHIT	10	160	101	84
ALIGARH	86	34	33	80	GHAZIABAD	9	5	2	14	PRATAPGARH	5	3	3	6
ALLAHABAD	5	4	2	3	GONDA	4	0	0	0	RAIBEARELI	3	4	3	4
AMBEDKARNAGAR	3	2	0	0	GORAKHPUR	4	3	1	3	RAMPUR	93	94	60	67
AMETHI	2	2	4	3	HAMIRPUR	2	0	0	0	SAMBHAL	8	9	11	14
AMROHA	4	0	0	2	HAPUR	8	3	2	0	SANTKABIRNAGAR	2	0	3	4
AURAIYA	31	15	9	21	HARDOI	42	36	15	53	SANTRAVIDASNAGAR	0	0	0	0
AZAMGARH	4	0	0	1	HATHRAS	0	0	1	2	SHAHJAHANPUR	72	277	230	54
BADAUN	6	9	0	4	JALAUN	7	0	0	0	SHAMLI	27	22	6	6
BAGHPAT	5	2	2	1	JAUNPUR	2	3	0	2	SHARANPUR	68	42	11	8
BAHRAICH	55	13	7	13	JHANSI	52	10	6	69	SHRAWASTI	20	7	2	10
BALLIA	2	0	0	0	KANNAUJ	16	2	1	2	SIDDHARTHANAGAR	5	9	0	2
BALRAMPUR	18	4	2	4	KANPUR	12	24	12	26	SITAPUR	33	31	7	13
BANDA	1	2	0	0	KANPUR DEHAT	32	7	1	38	SONBHADRA	0	0	0	0
BARABANKI	26	34	32	49	KASGANJ	2	2	0	3	SULTANPUR	2	1	1	2
BAREILLY	36	28	18	31	KAUSHAMBI	20	17	7	29	UNNAO	10	6	1	18
BASTI	9	3	1	2	KHERI	78	101	81	18	VARANASI	1	0	0	0
BIJNOR	10	7	2	6	KUSHINAGAR	4	0	3	4	<b>Total</b>	<b>1337</b>	<b>1304</b>	<b>802</b>	<b>1066</b>
BULANDSAHAR	32	2	7	7	LALITPUR	1	1	3	3					
CHANDAULI	0	0	0	0	LUCKNOW	16	12	1	6					
CHITRAKOOT	0	3	2	4	MAHARAJGANJ	3	5	2	2					
DEORIA	7	2	2	2	MAHOBA	18	0	0	0					
ETAH	13	6	2	16	MAINPURI	25	23	13	30					
ETAWAH	19	19	8	53	MATHURA	109	114	19	86					
FAIZABAD	3	0	0	3	MAU	0	1	0	0					
FARRUKHABAD	2	2	0	1	MEERUT	23	6	4	3					
FATEHPUR	56	37	34	47	MIRZAPUR	6	5	2	0					
FIROZABAD	18	11	7	7	MORADABAD	11	3	2	5					

**(d) Delhi**

District	15 Sep-02 Nov			
	2020	2021	2022	2023
CENTRAL	0	0	0	0
EAST	0	0	0	0
NEW DELHI	0	0	0	0
NORTH	2	0	6	2
NORTH EAST	0	0	0	0
NORTH WEST DELHI	3	0	0	0
SHAHADRA	0	0	0	0
SOUTH	1	0	0	0
SOUTH EAST	0	0	0	0
SOUTH WEST DELHI	0	0	0	0
WEST DELHI	2	0	0	0
<b>Total</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>2</b>

**€ Rajasthan**

District	15 Sep-02 Nov			
	2020	2021	2022	2023
AJMER	3	0	0	0
ALWAR	7	0	0	0
BANSWARA	0	0	0	0
BARAN	144	1	42	308
BARMER	3	0	0	0
BHARATPUR	2	2	1	2
BHILWARA	6	0	0	0
BIKANER	1	0	0	0
BUNDI	92	27	137	182
CHITTAURGARH	0	6	3	9
CHURU	0	0	0	0
DAUSA	1	0	0	0
DHOLPUR	0	0	0	0
DUNGARPUR	0	0	1	0
GANGANAGAR	15	11	22	21
HANUMANGARH	326	89	81	129
JAIPUR	2	0	0	0
JAISELMER	3	0	0	0
JALOR	0	0	0	0
JHALAWAR	3	0	5	9
JHUNJHUNUN	1	0	0	0
JODHPUR	2	0	0	0
KARAULI	1	0	0	0
KOTA	87	10	82	225
NAGAU	0	0	0	0
PALI	4	0	0	0
PRATAPGARH	6	0	0	0
RAJSMAND	1	0	0	0
SIKAR	0	0	0	0
SIROHI	1	0	0	0
SWAIMADHOPUR	48	2	34	55
TONK	3	0	0	0
UDAIPUR	0	0	0	4
<b>Total</b>	<b>762</b>	<b>148</b>	<b>408</b>	<b>944</b>



(f) Madhya Pradesh

District	15 Sep-02 Nov								
	2020	2021	2022	2023					
					PANNA	20	4	0	3
ALIRAJPUR	0	0	0	0	RAISEN	272	28	28	115
ANUPPUR	0	0	0	0	RAJGARH	10	1	3	9
ASHOKNAGAR	122	21	38	181	RATLAM	0	1	0	1
BALAGHAT	0	0	0	0	REWA	41	14	4	9
BARWANI	1	0	0	0	SAGAR	24	22	38	78
BETUL	18	9	2	14	SATNA	164	42	6	42
BHIND	102	8	29	95	SEHORE	93	42	62	83
BHOPAL	36	15	8	25	SEONI	872	595	160	320
BURHANPUR	6	1	0	5	SHAHDOL	0	0	0	2
CHHATARPUR	5	0	0	3	SHAJAPUR	7	0	0	12
CHHINDWARA	62	28	30	56	SHEOPUR	546	32	284	919
DAMOH	57	32	24	47	SHIVPURI	106	4	19	78
DATIA	512	33	69	370	SIDHI	1	2	0	0
DEWAS	5	0	0	9	SINGRAULI	0	0	1	1
DHAR	31	0	0	33	TIKAMGARH	4	0	0	4
DINDORI	0	0	0	1	UJJAIN	5	0	0	14
EAST NIMAR	17	6	5	6	UMARIA	1	1	0	2
GUNA	52	2	60	374	VIDESHA	102	23	29	84
GWALIOR	580	23	40	137	WEST NIMAR	34	2	3	25
HARDA	13	19	7	26	<b>Total</b>	<b>5093</b>	<b>1494</b>	<b>1256</b>	<b>3905</b>
HOSHANGABAD	695	341	179	460					
INDORE	3	0	0	12					
JABALPUR	190	46	45	116					
JHABUA	0	0	0	0					
KATNI	93	4	8	25					
MANDLA	33	40	8	11					
MANDSAUR	9	0	0	2					
MORENA	58	22	12	45					
NARSHIMAPURA	90	31	55	50					
NIMACH	1	0	0	1					

**State-wise and date-wise number of paddy residue burning events detected in 2020, 2021, 2022 and 2023**  
**(Period: 15 September-02 November)**

**Number of Paddy Residue Burning Events Detected**

Date	Punjab				Haryana				Uttar Pradesh			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
15-Sep	5	0	14	0	2	0	0	1	1	0	0	0
16-Sep	0	2	0	6	1	0	0	1	0	0	0	2
17-Sep	5	0	1	0	3	0	0	0	0	0	0	0
18-Sep	17	9	7	0	0	0	1	0	0	1	0	0
19-Sep	30	5	18	0	2	0	0	1	0	1	0	0
20-Sep	67	8	10	0	6	0	0	2	2	0	0	0
21-Sep	54	0	56	1	2	0	0	2	1	0	0	1
22-Sep	34	0	30	0	1	0	0	2	1	0	0	0
23-Sep	49	0	3	1	0	0	0	3	1	0	0	0
24-Sep	78	5	0	0	0	0	0	0	1	1	0	1
25-Sep	184	11	0	0	11	0	0	1	5	0	0	1
26-Sep	190	19	0	3	5	0	0	2	8	0	0	0
27-Sep	78	37	0	21	8	0	0	9	4	1	0	0
28-Sep	55	28	0	33	6	1	0	8	1	6	0	4
29-Sep	63	64	0	68	9	4	0	17	6	10	0	6
30-Sep	116	27	8	81	22	2	0	26	13	13	10	18
01-Oct	165	13	45	123	15	4	1	21	7	13	3	17
02-Oct	141	0	83	119	30	2	7	24	12	0	36	7
03-Oct	110	9	75	105	8	6	8	17	4	3	29	8
04-Oct	162	23	65	95	29	2	7	29	8	0	2	9
05-Oct	161	18	130	98	17	3	24	24	14	2	0	14
06-Oct	171	42	85	91	30	0	26	19	12	1	0	18
07-Oct	197	72	62	32	32	11	6	13	41	13	0	5
08-Oct	95	108	19	92	29	27	0	55	25	11	0	27
09-Oct	121	114	3	58	20	39	1	14	15	20	0	13
10-Oct	232	150	4	10	33	95	2	28	9	54	0	34
11-Oct	377	64	45	26	90	51	0	21	23	28	0	50



20-Sep	0	0	0	0	0	0	0	0	0	0	0	1
21-Sep	0	0	0	0	1	0	1	0	2	0	0	0
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0
23-Sep	0	0	0	0	1	0	0	0	0	0	0	0
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	1	0	0	0	0	0	0	1
26-Sep	0	0	0	1	1	0	0	0	2	0	0	0
27-Sep	0	0	0	0	0	0	0	0	1	0	0	0
28-Sep	0	0	0	0	0	0	0	0	1	1	0	2
29-Sep	0	0	0	0	3	0	0	6	0	4	0	5
30-Sep	1	0	0	0	1	0	0	4	5	0	0	11
01-Oct	0	0	0	0	4	1	1	4	13	0	1	8
02-Oct	1	0	0	0	7	0	3	4	12	0	1	1
03-Oct	0	0	0	0	9	0	2	5	5	1	5	5
04-Oct	0	0	0	0	15	0	0	22	4	2	0	12
05-Oct	0	0	2	0	14	0	1	11	13	1	0	18
06-Oct	1	0	0	0	16	0	0	9	37	1	0	7
07-Oct	0	0	0	0	14	1	1	7	31	1	0	9
08-Oct	0	0	0	0	11	0	0	9	17	2	0	18
09-Oct	0	0	0	0	12	0	0	17	15	4	0	24
10-Oct	0	0	0	0	14	1	0	26	18	10	0	52
11-Oct	0	0	0	1	21	7	1	21	32	2	0	24
12-Oct	0	0	0	0	24	1	2	1	44	1	1	1
13-Oct	0	0	0	0	7	5	2	28	21	2	7	32
14-Oct	0	0	0	0	16	1	1	15	15	11	1	26
15-Oct	0	0	0	0	9	8	2	34	8	27	2	66
16-Oct	1	0	0	0	12	2	4	18	23	13	2	51
17-Oct	0	0	0	0	26	0	4	12	63	1	11	31
18-Oct	0	0	1	0	37	2	12	11	88	0	15	13
19-Oct	0	0	0	0	27	5	12	31	49	1	12	65
20-Oct	0	0	0	0	26	4	4	57	9	21	7	131
21-Oct	2	0	0	0	32	2	6	34	112	30	18	147
22-Oct	0	0	0	0	29	5	12	57	183	29	31	119
23-Oct	1	0	0	0	23	7	20	29	204	32	70	89
24-Oct	0	0	2	0	20	4	7	38	150	34	26	132

<b>25-Oct</b>	1	0	0	0	18	2	4	47	144	60	0	159
<b>26-Oct</b>	0	0	0	0	34	3	21	59	178	55	57	320
<b>27-Oct</b>	0	0	0	0	42	1	21	73	294	62	38	256
<b>28-Oct</b>	0	0	0	0	45	4	46	12	537	110	143	202
<b>29-Oct</b>	0	0	0	0	29	23	37	73	349	97	151	372
<b>30-Oct</b>	0	0	0	0	17	20	55	37	428	168	119	224
<b>31-Oct</b>	0	0	0	0	37	15	36	33	455	299	112	360
<b>01-Nov</b>	0	0	1	0	51	5	27	60	709	198	142	509
<b>02-Nov</b>	0	0	0	0	55	19	63	40	820	214	284	401
<b>Total</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>762</b>	<b>148</b>	<b>408</b>	<b>944</b>	<b>5093</b>	<b>1494</b>	<b>1256</b>	<b>3905</b>

## Details of residue burning events in Punjab on 02-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	Amritsar	Ajnala	NOAA-20	31.80493	74.76242	13:52:00	D	2.43
2	Amritsar	Ajnala	NOAA-20	31.82537	74.77505	13:52:00	D	4.28
3	Amritsar	Ajnala	NOAA-20	31.83106	74.88618	13:52:00	D	3.12
4	Amritsar	Ajnala	NOAA-20	31.86727	74.86172	13:52:00	D	2.88
5	Amritsar	Ajnala	NOAA-20	31.87092	74.89339	13:52:00	D	5.82
6	Amritsar	Ajnala	NOAA-20	31.88288	74.83245	13:52:00	D	3.69
7	Amritsar	Ajnala	NOAA-20	31.89099	74.80447	13:52:00	D	3.82
8	Amritsar	Ajnala	NOAA-20	31.91272	74.85988	13:52:00	D	4.45
9	Amritsar	Ajnala	NOAA-20	31.94761	74.86507	13:52:00	D	4.63
10	Amritsar	Ajnala	NOAA-20	31.94929	74.80374	13:52:00	D	3.30
11	Amritsar	Ajnala	NOAA-20	31.95451	74.89091	13:52:00	D	3.38
12	Amritsar	Ajnala	NOAA-20	31.96256	74.86270	13:52:00	D	2.00
13	Amritsar	Ajnala	NOAA-20	31.96269	74.88754	13:52:00	D	3.84
14	Amritsar	Attari	NOAA-20	31.49883	74.59541	13:52:00	D	3.77
15	Amritsar	Attari	NOAA-20	31.54856	74.70425	13:52:00	D	7.71
16	Amritsar	Attari	NOAA-20	31.56025	74.70759	13:52:00	D	3.31
17	Amritsar	Attari	NOAA-20	31.56827	74.64905	13:52:00	D	4.57
18	Amritsar	Attari	NOAA-20	31.58550	74.69833	13:52:00	D	4.04
19	Amritsar	Attari	NOAA-20	31.59406	74.64489	13:52:00	D	2.46
20	Amritsar	Attari	NOAA-20	31.60143	74.64370	13:52:00	D	3.29
21	Amritsar	Attari	NOAA-20	31.60409	74.64486	13:52:00	D	4.46
22	Amritsar	Chogawan	NOAA-20	31.64159	74.61282	13:52:00	D	2.20
23	Amritsar	Chogawan	NOAA-20	31.67777	74.57072	13:52:00	D	3.62
24	Amritsar	Chogawan	NOAA-20	31.69862	74.58803	13:52:00	D	3.10
25	Amritsar	Chogawan	NOAA-20	31.70494	74.55366	13:52:00	D	4.32
26	Amritsar	Chogawan	NOAA-20	31.70592	74.55582	13:52:00	D	4.25
27	Amritsar	Chogawan	NOAA-20	31.70870	74.52209	13:52:00	D	3.73
28	Amritsar	Chogawan	NOAA-20	31.76123	74.58597	13:52:00	D	3.10
29	Amritsar	Chogawan	NOAA-20	31.77963	74.61420	13:52:00	D	2.44

30	Amritsar	Harsha Chhina	NOAA-20	31.73196	74.75297	13:52:00	D	5.64
31	Amritsar	Harsha Chhina	NOAA-20	31.73400	74.75486	13:52:00	D	4.81
32	Amritsar	Jandiala Guru	NOAA-20	31.62407	75.05392	13:52:00	D	3.20
33	Amritsar	Majitha	NOAA-20	31.71797	75.10115	13:52:00	D	3.95
34	Amritsar	Majitha	NOAA-20	31.73181	75.02269	13:52:00	D	4.18
35	Amritsar	Majitha	NOAA-20	31.78586	75.05569	13:52:00	D	3.28
36	Amritsar	Rayya	NOAA-20	31.50635	75.26592	13:52:00	D	7.77
37	Amritsar	Rayya	NOAA-20	31.51332	75.25932	13:52:00	D	2.63
38	Amritsar	Rayya	NOAA-20	31.54052	75.19450	13:52:00	D	3.94
39	Amritsar	Rayya	NOAA-20	31.54240	75.17774	13:52:00	D	7.73
40	Amritsar	Rayya	NOAA-20	31.55378	75.20892	13:52:00	D	11.38
41	Amritsar	Rayya	NOAA-20	31.55693	75.20293	13:52:00	D	10.06
42	Amritsar	Rayya	NOAA-20	31.56775	75.26194	13:52:00	D	3.51
43	Amritsar	Rayya	NOAA-20	31.57272	75.20599	13:52:00	D	16.46
44	Amritsar	Rayya	NOAA-20	31.57283	75.20954	13:52:00	D	6.66
45	Amritsar	Rayya	NOAA-20	31.57601	75.20353	13:52:00	D	2.74
46	Amritsar	Rayya	NOAA-20	31.60687	75.23736	13:52:00	D	7.72
47	Amritsar	Rayya	NOAA-20	31.64355	75.28718	13:52:00	D	4.62
48	Amritsar	Rayya	NOAA-20	31.69610	75.28134	13:52:00	D	7.41
49	Amritsar	Tarsikka	NOAA-20	31.63537	75.18327	13:52:00	D	3.69
50	Amritsar	Tarsikka	NOAA-20	31.64294	75.18210	13:52:00	D	6.03
51	Amritsar	Tarsikka	NOAA-20	31.66000	75.19597	13:52:00	D	3.20
52	Amritsar	Tarsikka	NOAA-20	31.66281	75.05527	13:52:00	D	6.50
53	Amritsar	Tarsikka	NOAA-20	31.66657	75.05467	13:52:00	D	12.93
54	Amritsar	Tarsikka	NOAA-20	31.67794	75.22301	13:52:00	D	7.92
55	Amritsar	Tarsikka	NOAA-20	31.67837	75.22074	13:52:00	D	4.89
56	Amritsar	Tarsikka	NOAA-20	31.74440	75.16293	13:52:00	D	7.77
57	Amritsar	Verka	NOAA-20	31.70932	74.89691	13:52:00	D	6.58
58	Barnala	Barnala	NOAA-20	30.15449	75.57043	13:50:00	D	3.13
59	Barnala	Barnala	NOAA-20	30.17476	75.51303	13:50:00	D	4.44
60	Barnala	Barnala	NOAA-20	30.19114	75.48888	13:50:00	D	11.13
61	Barnala	Barnala	NOAA-20	30.19938	75.49583	13:50:00	D	38.52
62	Barnala	Barnala	NOAA-20	30.20073	75.47399	13:50:00	D	3.92

63	Barnala	Barnala	NOAA-20	30.20901	75.44576	13:50:00	D	8.78
64	Barnala	Barnala	NOAA-20	30.21024	75.45634	13:50:00	D	33.98
65	Barnala	Barnala	NOAA-20	30.22927	75.38895	13:50:00	D	7.80
66	Barnala	Barnala	NOAA-20	30.23043	75.43169	13:50:00	D	2.80
67	Barnala	Barnala	NOAA-20	30.23421	75.43111	13:50:00	D	3.02
68	Barnala	Barnala	NOAA-20	30.23490	75.63780	13:50:00	D	6.98
69	Barnala	Barnala	NOAA-20	30.23927	75.40885	13:50:00	D	3.03
70	Barnala	Barnala	NOAA-20	30.24651	75.57021	13:50:00	D	3.90
71	Barnala	Barnala	NOAA-20	30.25280	75.59115	13:50:00	D	4.41
72	Barnala	Barnala	NOAA-20	30.25496	75.41180	13:50:00	D	3.12
73	Barnala	Barnala	NOAA-20	30.25591	75.61811	13:50:00	D	6.87
74	Barnala	Barnala	NOAA-20	30.25646	75.65659	13:50:00	D	4.09
75	Barnala	Barnala	NOAA-20	30.25841	75.63975	13:50:00	D	6.62
76	Barnala	Barnala	NOAA-20	30.25926	75.51377	13:50:00	D	3.69
77	Barnala	Barnala	NOAA-20	30.25966	75.65059	13:50:00	D	6.38
78	Barnala	Barnala	NOAA-20	30.26364	75.55122	13:50:00	D	4.30
79	Barnala	Barnala	NOAA-20	30.27689	75.59845	13:50:00	D	3.98
80	Barnala	Barnala	NOAA-20	30.28199	75.54296	13:50:00	D	21.84
81	Barnala	Barnala	NOAA-20	30.28572	75.67427	13:50:00	D	3.47
82	Barnala	Barnala	NOAA-20	30.29847	75.65022	13:50:00	D	3.95
83	Barnala	Barnala	NOAA-20	30.31372	75.61485	13:50:00	D	5.85
84	Barnala	Barnala	NOAA-20	30.32096	75.58436	13:50:00	D	7.39
85	Barnala	Barnala	NOAA-20	30.32194	75.58613	13:50:00	D	6.52
86	Barnala	Barnala	NOAA-20	30.32265	75.63366	13:50:00	D	4.68
87	Barnala	Barnala	NOAA-20	30.32392	75.63535	13:50:00	D	7.14
88	Barnala	Barnala	NOAA-20	30.33212	75.64880	13:50:00	D	2.51
89	Barnala	Barnala	NOAA-20	30.33287	75.62107	13:50:00	D	7.40
90	Barnala	Barnala	NOAA-20	30.34038	75.65308	13:50:00	D	2.52
91	Barnala	Barnala	NOAA-20	30.34698	75.57490	13:50:00	D	3.70
92	Barnala	Barnala	NOAA-20	30.35700	75.62844	13:50:00	D	10.62
93	Barnala	Barnala	NOAA-20	30.43548	75.47681	13:50:00	D	7.16
94	Barnala	Barnala	NOAA-20	30.43856	75.50361	13:50:00	D	7.80
95	Barnala	Barnala	NOAA-20	30.45586	75.65533	13:50:00	D	4.12



96	Barnala	Barnala	NOAA-20	30.48712	75.65616	13:50:00	D	7.96
97	Barnala	Barnala	NOAA-20	30.48779	75.62827	13:50:00	D	6.32
98	Barnala	Barnala	NOAA-20	30.49354	75.61076	13:50:00	D	5.32
99	Barnala	Mahal Kalan	NOAA-20	30.45163	75.58398	13:50:00	D	3.91
100	Barnala	Mahal Kalan	NOAA-20	30.45668	75.59424	13:50:00	D	4.88
101	Barnala	Mahal Kalan	NOAA-20	30.51321	75.48128	13:52:00	D	3.91
102	Barnala	Mahal Kalan	NOAA-20	30.51634	75.47882	13:52:00	D	9.01
103	Barnala	Mahal Kalan	NOAA-20	30.51701	75.48071	13:52:00	D	8.05
104	Barnala	Mahal Kalan	NOAA-20	30.52070	75.41484	13:52:00	D	5.60
105	Barnala	Mahal Kalan	NOAA-20	30.52856	75.61098	13:52:00	D	2.77
106	Barnala	Mahal Kalan	NOAA-20	30.53049	75.62733	13:52:00	D	15.72
107	Barnala	Mahal Kalan	NOAA-20	30.53280	75.62511	13:52:00	D	12.13
108	Barnala	Mahal Kalan	NOAA-20	30.53384	75.53097	13:52:00	D	17.48
109	Barnala	Mahal Kalan	NOAA-20	30.53418	75.52737	13:52:00	D	15.68
110	Barnala	Mahal Kalan	NOAA-20	30.53754	75.65411	13:52:00	D	6.78
111	Barnala	Mahal Kalan	NOAA-20	30.54229	75.46937	13:52:00	D	2.93
112	Barnala	Mahal Kalan	NOAA-20	30.54783	75.51783	13:52:00	D	34.86
113	Barnala	Mahal Kalan	NOAA-20	30.54896	75.56171	13:52:00	D	6.59
114	Barnala	Mahal Kalan	NOAA-20	30.55440	75.64409	13:52:00	D	2.94
115	Barnala	Mahal Kalan	NOAA-20	30.55482	75.51128	13:52:00	D	13.19
116	Barnala	Mahal Kalan	NOAA-20	30.56698	75.44921	13:52:00	D	3.39
117	Barnala	Mahal Kalan	NOAA-20	30.58059	75.63455	13:52:00	D	5.85
118	Barnala	Mahal Kalan	NOAA-20	30.58309	75.65649	13:52:00	D	6.61
119	Barnala	Sehna	NOAA-20	30.28702	75.42300	13:50:00	D	3.78
120	Barnala	Sehna	NOAA-20	30.29079	75.42242	13:50:00	D	3.78
121	Barnala	Sehna	NOAA-20	30.31726	75.38406	13:50:00	D	4.81
122	Barnala	Sehna	NOAA-20	30.31909	75.39989	13:50:00	D	4.20
123	Barnala	Sehna	NOAA-20	30.33117	75.33904	13:50:00	D	3.78
124	Barnala	Sehna	NOAA-20	30.34735	75.41167	13:50:00	D	4.57
125	Barnala	Sehna	NOAA-20	30.35236	75.42168	13:50:00	D	52.65
126	Barnala	Sehna	NOAA-20	30.36059	75.36125	13:50:00	D	2.60
127	Barnala	Sehna	NOAA-20	30.36179	75.43645	13:50:00	D	8.53
128	Barnala	Sehna	NOAA-20	30.36621	75.40878	13:50:00	D	19.30

129	Barnala	Sehna	NOAA-20	30.38446	75.43297	13:50:00	D	6.95
130	Barnala	Sehna	NOAA-20	30.40023	75.46848	13:50:00	D	7.59
131	Barnala	Sehna	NOAA-20	30.41873	75.39808	13:50:00	D	4.64
132	Barnala	Sehna	NOAA-20	30.42251	75.39750	13:50:00	D	5.86
133	Bathinda	Bathinda	NOAA-20	30.09724	74.99405	13:50:00	D	23.82
134	Bathinda	Bathinda	NOAA-20	30.10092	74.99346	13:50:00	D	23.82
135	Bathinda	Bathinda	NOAA-20	30.10520	75.02863	13:50:00	D	6.65
136	Bathinda	Bathinda	NOAA-20	30.13095	74.93266	13:50:00	D	2.86
137	Bathinda	Bathinda	NOAA-20	30.14219	75.03535	13:50:00	D	7.44
138	Bathinda	Bathinda	NOAA-20	30.26919	74.78890	13:50:00	D	9.92
139	Bathinda	Bhagta Bhai Ka	NOAA-20	30.37552	75.16794	13:50:00	D	28.99
140	Bathinda	Bhagta Bhai Ka	NOAA-20	30.37710	75.17023	13:50:00	D	16.70
141	Bathinda	Bhagta Bhai Ka	NOAA-20	30.40017	75.14037	13:50:00	D	38.11
142	Bathinda	Bhagta Bhai Ka	NOAA-20	30.49767	75.11759	13:52:00	D	28.18
143	Bathinda	Bhagta Bhai Ka	NOAA-20	30.51179	75.17331	13:52:00	D	2.56
144	Bathinda	Bhagta Bhai Ka	NOAA-20	30.54978	75.14097	13:52:00	D	12.03
145	Bathinda	Goniana Mandi	NOAA-20	30.28004	74.87823	13:50:00	D	6.39
146	Bathinda	Goniana Mandi	NOAA-20	30.30269	74.78857	13:50:00	D	4.09
147	Bathinda	Goniana Mandi	NOAA-20	30.30448	74.92530	13:50:00	D	3.63
148	Bathinda	Goniana Mandi	NOAA-20	30.33396	75.01308	13:50:00	D	3.51
149	Bathinda	Goniana Mandi	NOAA-20	30.33703	74.97653	13:50:00	D	3.70
150	Bathinda	Goniana Mandi	NOAA-20	30.33764	74.98158	13:50:00	D	3.70
151	Bathinda	Goniana Mandi	NOAA-20	30.34626	74.99052	13:50:00	D	2.77
152	Bathinda	Goniana Mandi	NOAA-20	30.34809	74.97478	13:50:00	D	6.36
153	Bathinda	Goniana Mandi	NOAA-20	30.35069	74.97669	13:50:00	D	6.52
154	Bathinda	Goniana Mandi	NOAA-20	30.35431	75.02538	13:50:00	D	2.29
155	Bathinda	Maur	NOAA-20	29.99211	75.20454	13:50:00	D	8.20
156	Bathinda	Maur	NOAA-20	30.00760	75.20734	13:50:00	D	5.93
157	Bathinda	Maur	NOAA-20	30.01312	75.25346	13:50:00	D	16.04
158	Bathinda	Maur	NOAA-20	30.01752	75.19537	13:50:00	D	16.69
159	Bathinda	Maur	NOAA-20	30.03921	75.18678	13:50:00	D	3.41
160	Bathinda	Maur	NOAA-20	30.04355	75.19131	13:50:00	D	7.73
161	Bathinda	Maur	NOAA-20	30.05223	75.20037	13:50:00	D	10.70

162	Bathinda	Maur	NOAA-20	30.05416	75.20219	13:50:00	D	6.38
163	Bathinda	Maur	NOAA-20	30.06074	75.25873	13:50:00	D	3.34
164	Bathinda	Maur	NOAA-20	30.06285	75.25621	13:50:00	D	3.17
165	Bathinda	Maur	NOAA-20	30.06814	75.09622	13:50:00	D	6.62
166	Bathinda	Maur	NOAA-20	30.11680	75.18719	13:50:00	D	6.87
167	Bathinda	Maur	NOAA-20	30.12921	75.16440	13:50:00	D	3.68
168	Bathinda	Maur	NOAA-20	30.14969	75.23965	13:50:00	D	7.14
169	Bathinda	Nathana	NOAA-20	30.14397	75.03793	13:50:00	D	7.14
170	Bathinda	Nathana	NOAA-20	30.15756	75.03806	13:50:00	D	24.62
171	Bathinda	Nathana	NOAA-20	30.17113	75.02562	13:50:00	D	3.92
172	Bathinda	Nathana	NOAA-20	30.17973	75.03456	13:50:00	D	5.97
173	Bathinda	Nathana	NOAA-20	30.18578	75.08523	13:50:00	D	11.64
174	Bathinda	Nathana	NOAA-20	30.18752	75.13165	13:50:00	D	10.85
175	Bathinda	Nathana	NOAA-20	30.20987	75.06592	13:50:00	D	28.52
176	Bathinda	Nathana	NOAA-20	30.21048	75.07099	13:50:00	D	28.52
177	Bathinda	Nathana	NOAA-20	30.24384	75.19069	13:50:00	D	10.96
178	Bathinda	Nathana	NOAA-20	30.24881	75.20041	13:50:00	D	17.12
179	Bathinda	Nathana	NOAA-20	30.24942	75.17411	13:50:00	D	3.03
180	Bathinda	Nathana	NOAA-20	30.32342	75.11330	13:50:00	D	4.26
181	Bathinda	Nathana	NOAA-20	30.36943	75.07209	13:50:00	D	2.82
182	Bathinda	Nathana	NOAA-20	30.38407	75.13241	13:50:00	D	3.63
183	Bathinda	Nathana	NOAA-20	30.38798	75.06916	13:50:00	D	4.05
184	Bathinda	Phul	NOAA-20	30.30081	75.24280	13:50:00	D	13.69
185	Bathinda	Phul	NOAA-20	30.31561	75.30412	13:50:00	D	2.36
186	Bathinda	Phul	NOAA-20	30.31936	75.30354	13:50:00	D	3.30
187	Bathinda	Phul	NOAA-20	30.33252	75.28555	13:50:00	D	3.86
188	Bathinda	Phul	NOAA-20	30.34937	75.29889	13:50:00	D	13.03
189	Bathinda	Phul	NOAA-20	30.37188	75.29539	13:50:00	D	4.45
190	Bathinda	Phul	NOAA-20	30.37812	75.28379	13:50:00	D	7.86
191	Bathinda	Phul	NOAA-20	30.38998	75.21567	13:50:00	D	9.43
192	Bathinda	Phul	NOAA-20	30.39675	75.24107	13:50:00	D	5.36
193	Bathinda	Phul	NOAA-20	30.41345	75.28631	13:50:00	D	3.93
194	Bathinda	Phul	NOAA-20	30.43289	75.25668	13:50:00	D	6.66

195	Bathinda	Phul	NOAA-20	30.44416	75.22308	13:50:00	D	2.18
196	Bathinda	Rampura	NOAA-20	30.14096	75.29365	13:50:00	D	14.50
197	Bathinda	Rampura	NOAA-20	30.15963	75.22761	13:50:00	D	7.52
198	Bathinda	Rampura	NOAA-20	30.16920	75.23385	13:50:00	D	4.29
199	Bathinda	Rampura	NOAA-20	30.17207	75.23616	13:50:00	D	5.74
200	Bathinda	Rampura	NOAA-20	30.17293	75.23326	13:50:00	D	5.29
201	Bathinda	Rampura	NOAA-20	30.17711	75.27748	13:50:00	D	5.38
202	Bathinda	Rampura	NOAA-20	30.17834	75.27984	13:50:00	D	5.25
203	Bathinda	Rampura	NOAA-20	30.18231	75.21603	13:50:00	D	7.78
204	Bathinda	Rampura	NOAA-20	30.18280	75.32422	13:50:00	D	4.02
205	Bathinda	Rampura	NOAA-20	30.18764	75.29424	13:50:00	D	8.22
206	Bathinda	Rampura	NOAA-20	30.18946	75.30987	13:50:00	D	6.73
207	Bathinda	Rampura	NOAA-20	30.19158	75.23035	13:50:00	D	4.58
208	Bathinda	Rampura	NOAA-20	30.22687	75.33595	13:50:00	D	3.91
209	Bathinda	Rampura	NOAA-20	30.24445	75.22736	13:50:00	D	6.09
210	Bathinda	Rampura	NOAA-20	30.24626	75.33826	13:50:00	D	8.97
211	Bathinda	Rampura	NOAA-20	30.25126	75.34814	13:50:00	D	3.44
212	Bathinda	Rampura	NOAA-20	30.26127	75.27224	13:50:00	D	5.46
213	Bathinda	Rampura	NOAA-20	30.27191	75.32897	13:50:00	D	7.45
214	Bathinda	Sangat	NOAA-20	29.97476	74.87485	13:50:00	D	2.71
215	Bathinda	Sangat	NOAA-20	29.98085	74.89401	13:50:00	D	4.23
216	Bathinda	Sangat	NOAA-20	30.00519	74.81982	13:50:00	D	6.49
217	Bathinda	Sangat	NOAA-20	30.01261	74.85048	13:50:00	D	7.06
218	Bathinda	Sangat	NOAA-20	30.10889	74.87539	13:50:00	D	3.64
219	Bathinda	Talwandi Sabo	NOAA-20	29.83559	75.13081	13:50:00	D	26.45
220	Bathinda	Talwandi Sabo	NOAA-20	29.83766	75.12819	13:50:00	D	24.43
221	Bathinda	Talwandi Sabo	NOAA-20	29.83808	75.15096	13:50:00	D	1.70
222	Bathinda	Talwandi Sabo	NOAA-20	29.85175	75.15169	13:50:00	D	3.05
223	Bathinda	Talwandi Sabo	NOAA-20	29.85235	75.15675	13:50:00	D	2.88
224	Bathinda	Talwandi Sabo	NOAA-20	29.92456	75.12996	13:50:00	D	1.97
225	Bathinda	Talwandi Sabo	NOAA-20	29.93874	75.12259	13:50:00	D	5.54
226	Bathinda	Talwandi Sabo	NOAA-20	29.94107	75.12450	13:50:00	D	5.73
227	Bathinda	Talwandi Sabo	NOAA-20	29.94584	75.16508	13:50:00	D	3.04

228	Bathinda	Talwandi Sabo	NOAA-20	29.94744	75.16251	13:50:00	D	4.25
229	Bathinda	Talwandi Sabo	NOAA-20	29.96532	75.04366	13:50:00	D	12.82
230	Bathinda	Talwandi Sabo	NOAA-20	29.96978	74.95641	13:50:00	D	10.55
231	Bathinda	Talwandi Sabo	NOAA-20	29.99486	74.97781	13:50:00	D	4.46
232	Bathinda	Talwandi Sabo	NOAA-20	29.99487	74.94736	13:50:00	D	5.03
233	Bathinda	Talwandi Sabo	NOAA-20	30.00711	75.04730	13:50:00	D	2.75
234	Bathinda	Talwandi Sabo	NOAA-20	30.01016	75.10333	13:50:00	D	3.04
235	Bathinda	Talwandi Sabo	NOAA-20	30.01326	75.03609	13:50:00	D	9.61
236	Bathinda	Talwandi Sabo	NOAA-20	30.01695	75.03551	13:50:00	D	4.14
237	Bathinda	Talwandi Sabo	NOAA-20	30.01941	75.11736	13:50:00	D	14.16
238	Bathinda	Talwandi Sabo	NOAA-20	30.02983	75.01814	13:50:00	D	22.13
239	Bathinda	Talwandi Sabo	NOAA-20	30.03213	75.01457	13:50:00	D	31.20
240	Bathinda	Talwandi Sabo	NOAA-20	30.03272	75.01960	13:50:00	D	25.65
241	Bathinda	Talwandi Sabo	NOAA-20	30.03290	75.01254	13:50:00	D	32.28
242	Bathinda	Talwandi Sabo	NOAA-20	30.03352	75.01755	13:50:00	D	22.13
243	Bathinda	Talwandi Sabo	NOAA-20	30.03581	75.01398	13:50:00	D	31.20
244	Faridkot	Faridkot	NOAA-20	30.60902	74.77088	13:52:00	D	10.30
245	Faridkot	Faridkot	NOAA-20	30.61026	74.72000	13:52:00	D	3.50
246	Faridkot	Faridkot	NOAA-20	30.61087	74.72497	13:52:00	D	4.38
247	Faridkot	Faridkot	NOAA-20	30.61452	74.66384	13:52:00	D	8.70
248	Faridkot	Faridkot	NOAA-20	30.63161	74.74188	13:52:00	D	10.46
249	Faridkot	Faridkot	NOAA-20	30.64474	74.63638	13:52:00	D	7.28
250	Faridkot	Faridkot	NOAA-20	30.64542	74.61117	13:52:00	D	22.64
251	Faridkot	Faridkot	NOAA-20	30.65993	74.91134	13:52:00	D	4.85
252	Faridkot	Faridkot	NOAA-20	30.66295	74.63342	13:52:00	D	3.77
253	Faridkot	Faridkot	NOAA-20	30.67823	74.54585	13:52:00	D	3.82
254	Faridkot	Faridkot	NOAA-20	30.67842	74.79302	13:52:00	D	10.03
255	Faridkot	Faridkot	NOAA-20	30.68117	74.63047	13:52:00	D	5.46
256	Faridkot	Faridkot	NOAA-20	30.68973	74.48927	13:52:00	D	8.32
257	Faridkot	Faridkot	NOAA-20	30.69335	74.48868	13:52:00	D	8.32
258	Faridkot	Faridkot	NOAA-20	30.70711	74.84478	13:52:00	D	39.12
259	Faridkot	Faridkot	NOAA-20	30.70727	74.54114	13:52:00	D	6.70
260	Faridkot	Faridkot	NOAA-20	30.70840	74.79335	13:52:00	D	14.62

261	Faridkot	Faridkot	NOAA-20	30.71090	74.54054	13:52:00	D	8.67
262	Faridkot	Faridkot	NOAA-20	30.71204	74.82346	13:52:00	D	6.41
263	Faridkot	Faridkot	NOAA-20	30.71206	74.49059	13:52:00	D	2.87
264	Faridkot	Faridkot	NOAA-20	30.71518	74.72604	13:52:00	D	9.15
265	Faridkot	Faridkot	NOAA-20	30.71575	74.79219	13:52:00	D	10.70
266	Faridkot	Faridkot	NOAA-20	30.71884	74.72545	13:52:00	D	5.21
267	Faridkot	Faridkot	NOAA-20	30.71940	74.82231	13:52:00	D	6.84
268	Faridkot	Faridkot	NOAA-20	30.71943	74.79160	13:52:00	D	8.76
269	Faridkot	Faridkot	NOAA-20	30.72067	74.67955	13:52:00	D	3.31
270	Faridkot	Faridkot	NOAA-20	30.72965	74.54249	13:52:00	D	3.99
271	Faridkot	Faridkot	NOAA-20	30.73028	74.54445	13:52:00	D	4.29
272	Faridkot	Faridkot	NOAA-20	30.73083	74.52235	13:52:00	D	4.25
273	Faridkot	Faridkot	NOAA-20	30.73096	74.51939	13:52:00	D	8.13
274	Faridkot	Faridkot	NOAA-20	30.73287	74.71812	13:52:00	D	7.26
275	Faridkot	Faridkot	NOAA-20	30.73350	74.84572	13:52:00	D	4.10
276	Faridkot	Faridkot	NOAA-20	30.73390	74.54385	13:52:00	D	4.29
277	Faridkot	Faridkot	NOAA-20	30.73390	74.54679	13:52:00	D	2.22
278	Faridkot	Faridkot	NOAA-20	30.73820	74.58109	13:52:00	D	6.09
279	Faridkot	Faridkot	NOAA-20	30.73862	74.58311	13:52:00	D	9.81
280	Faridkot	Faridkot	NOAA-20	30.73999	74.56578	13:52:00	D	14.37
281	Faridkot	Faridkot	NOAA-20	30.74413	74.56719	13:52:00	D	18.38
282	Faridkot	Faridkot	NOAA-20	30.74665	74.52679	13:52:00	D	3.86
283	Faridkot	Faridkot	NOAA-20	30.74758	74.77687	13:52:00	D	6.51
284	Faridkot	Faridkot	NOAA-20	30.75372	74.79634	13:52:00	D	4.16
285	Faridkot	Faridkot	NOAA-20	30.75434	74.80136	13:52:00	D	4.16
286	Faridkot	Faridkot	NOAA-20	30.75555	74.60045	13:52:00	D	10.12
287	Faridkot	Faridkot	NOAA-20	30.76361	74.51406	13:52:00	D	3.33
288	Faridkot	Faridkot	NOAA-20	30.76574	74.65424	13:52:00	D	7.24
289	Faridkot	Faridkot	NOAA-20	30.76723	74.51347	13:52:00	D	3.33
290	Faridkot	Faridkot	NOAA-20	30.76744	74.69954	13:52:00	D	3.86
291	Faridkot	Faridkot	NOAA-20	30.76838	74.55323	13:52:00	D	3.67
292	Faridkot	Faridkot	NOAA-20	30.77357	74.68841	13:52:00	D	1.89
293	Faridkot	Faridkot	NOAA-20	30.77759	74.78460	13:52:00	D	4.11

294	Faridkot	Faridkot	NOAA-20	30.78148	74.69220	13:52:00	D	7.54
295	Faridkot	Faridkot	NOAA-20	30.78472	74.56559	13:52:00	D	2.94
296	Faridkot	Faridkot	NOAA-20	30.78501	74.75272	13:52:00	D	4.13
297	Faridkot	Faridkot	NOAA-20	30.78814	74.71654	13:52:00	D	6.11
298	Faridkot	Faridkot	NOAA-20	30.78868	74.75214	13:52:00	D	4.13
299	Faridkot	Faridkot	NOAA-20	30.79495	74.64950	13:52:00	D	10.79
300	Faridkot	Faridkot	NOAA-20	30.80159	74.70419	13:52:00	D	7.02
301	Faridkot	Faridkot	NOAA-20	30.81012	74.71300	13:52:00	D	7.66
302	Faridkot	Faridkot	NOAA-20	30.81073	74.71799	13:52:00	D	27.97
303	Faridkot	Faridkot	NOAA-20	30.81866	74.72180	13:52:00	D	5.37
304	Faridkot	Faridkot	NOAA-20	30.82476	74.61943	13:52:00	D	2.81
305	Faridkot	Faridkot	NOAA-20	30.82782	74.67458	13:52:00	D	2.48
306	Faridkot	Faridkot	NOAA-20	30.82965	74.65907	13:52:00	D	11.24
307	Faridkot	Jaiton	NOAA-20	30.37850	74.92606	13:50:00	D	1.67
308	Faridkot	Jaiton	NOAA-20	30.38109	74.85416	13:50:00	D	3.13
309	Faridkot	Jaiton	NOAA-20	30.41350	74.90513	13:50:00	D	9.31
310	Faridkot	Jaiton	NOAA-20	30.41596	74.80289	13:52:00	D	6.03
311	Faridkot	Jaiton	NOAA-20	30.42881	74.84653	13:52:00	D	4.92
312	Faridkot	Jaiton	NOAA-20	30.43253	74.96888	13:50:00	D	3.46
313	Faridkot	Jaiton	NOAA-20	30.45720	75.01666	13:52:00	D	2.60
314	Faridkot	Jaiton	NOAA-20	30.47769	74.98004	13:52:00	D	4.94
315	Faridkot	Jaiton	NOAA-20	30.48259	74.98962	13:52:00	D	4.28
316	Faridkot	Kot Kapura	NOAA-20	30.50563	74.77593	13:52:00	D	2.64
317	Faridkot	Kot Kapura	NOAA-20	30.52699	74.76743	13:52:00	D	3.96
318	Faridkot	Kot Kapura	NOAA-20	30.52824	74.83843	13:52:00	D	12.56
319	Faridkot	Kot Kapura	NOAA-20	30.54564	74.74051	13:52:00	D	5.64
320	Faridkot	Kot Kapura	NOAA-20	30.54587	74.73912	13:52:00	D	5.08
321	Faridkot	Kot Kapura	NOAA-20	30.56871	74.77736	13:52:00	D	8.38
322	Faridkot	Kot Kapura	NOAA-20	30.65745	74.89109	13:52:00	D	6.30
323	Faridkot	Kot Kapura	NOAA-20	30.67054	74.94877	13:52:00	D	3.36
324	Faridkot	Kot Kapura	NOAA-20	30.67230	74.95079	13:52:00	D	3.30
325	Fatehgarh Sahib	Amlon	NOAA-20	30.62716	76.15633	13:52:00	D	6.33
326	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.66640	76.36810	13:52:00	D	12.56

327	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.67364	76.51051	13:52:00	D	6.44
328	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.67469	76.44449	13:52:00	D	4.58
329	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.67745	76.39500	13:52:00	D	5.68
330	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.68125	76.50529	13:52:00	D	3.08
331	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.68457	76.38583	13:52:00	D	3.92
332	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.68680	76.36923	13:52:00	D	12.87
333	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.69080	76.36866	13:52:00	D	12.87
334	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.69656	76.38412	13:52:00	D	4.16
335	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.69735	76.50299	13:52:00	D	3.25
336	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.69961	76.48616	13:52:00	D	2.81
337	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.70056	76.38354	13:52:00	D	4.16
338	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.70232	76.43645	13:52:00	D	4.17
339	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.70987	76.50535	13:52:00	D	2.31
340	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.71255	76.38183	13:52:00	D	3.43
341	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.71299	76.38584	13:52:00	D	5.00
342	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.71390	76.46767	13:52:00	D	8.27
343	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.71435	76.47172	13:52:00	D	8.27
344	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.71748	76.50014	13:52:00	D	17.07
345	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.73980	76.39343	13:52:00	D	1.13
346	Fatehgarh Sahib	Bassi Pathanan	NOAA-20	30.75396	76.41186	13:52:00	D	5.55
347	Fatehgarh Sahib	Khamanon	NOAA-20	30.72876	76.30953	13:52:00	D	2.48
348	Fatehgarh Sahib	Khamanon	NOAA-20	30.73409	76.32089	13:52:00	D	10.92
349	Fatehgarh Sahib	Khamanon	NOAA-20	30.74123	76.36872	13:52:00	D	4.42
350	Fatehgarh Sahib	Khamanon	NOAA-20	30.76791	76.35266	13:52:00	D	11.93
351	Fatehgarh Sahib	Khamanon	NOAA-20	30.78295	76.37905	13:52:00	D	1.31
352	Fatehgarh Sahib	Khamanon	NOAA-20	30.79139	76.38193	13:52:00	D	3.91
353	Fatehgarh Sahib	Khamanon	NOAA-20	30.80293	76.41304	13:52:00	D	7.20
354	Fatehgarh Sahib	Khamanon	NOAA-20	30.80340	76.38022	13:52:00	D	2.27
355	Fatehgarh Sahib	Khamanon	NOAA-20	30.81273	76.39117	13:52:00	D	11.52
356	Fatehgarh Sahib	Khamanon	NOAA-20	30.82143	76.30401	13:52:00	D	9.41
357	Fatehgarh Sahib	Khamanon	NOAA-20	30.82916	76.35609	13:52:00	D	1.97
358	Fatehgarh Sahib	Khamanon	NOAA-20	30.83002	76.32748	13:52:00	D	2.65
359	Fatehgarh Sahib	Khamanon	NOAA-20	30.83205	76.32785	13:52:00	D	2.05



360	Fatehgarh Sahib	Khamanon	NOAA-20	30.83455	76.40443	13:52:00	D	4.89
361	Fatehgarh Sahib	Khamanon	NOAA-20	30.85245	76.32898	13:52:00	D	5.77
362	Fatehgarh Sahib	Khamanon	NOAA-20	30.86161	76.37667	13:52:00	D	9.24
363	Fatehgarh Sahib	Khera	NOAA-20	30.57753	76.57719	13:50:00	D	1.81
364	Fatehgarh Sahib	Khera	NOAA-20	30.57944	76.51898	13:50:00	D	3.37
365	Fatehgarh Sahib	Khera	NOAA-20	30.60048	76.45024	13:50:00	D	5.48
366	Fatehgarh Sahib	Khera	NOAA-20	30.60626	76.50276	13:50:00	D	2.51
367	Fatehgarh Sahib	Khera	NOAA-20	30.60760	76.44105	13:52:00	D	4.57
368	Fatehgarh Sahib	Khera	NOAA-20	30.60805	76.44508	13:52:00	D	4.57
369	Fatehgarh Sahib	Khera	NOAA-20	30.62141	76.45544	13:52:00	D	3.04
370	Fatehgarh Sahib	Khera	NOAA-20	30.62148	76.56680	13:52:00	D	1.77
371	Fatehgarh Sahib	Khera	NOAA-20	30.62639	76.53709	13:52:00	D	10.29
372	Fatehgarh Sahib	Khera	NOAA-20	30.63144	76.45889	13:52:00	D	3.24
373	Fatehgarh Sahib	Khera	NOAA-20	30.63271	76.47102	13:52:00	D	4.83
374	Fatehgarh Sahib	Khera	NOAA-20	30.63390	76.45776	13:52:00	D	2.88
375	Fatehgarh Sahib	Khera	NOAA-20	30.64024	76.51446	13:52:00	D	4.24
376	Fatehgarh Sahib	Khera	NOAA-20	30.64144	76.51510	13:52:00	D	5.82
377	Fatehgarh Sahib	Khera	NOAA-20	30.64615	76.56745	13:52:00	D	2.42
378	Fatehgarh Sahib	Khera	NOAA-20	30.64877	76.46871	13:52:00	D	10.41
379	Fatehgarh Sahib	Khera	NOAA-20	30.65451	76.48435	13:52:00	D	8.68
380	Fatehgarh Sahib	Khera	NOAA-20	30.66125	76.47105	13:52:00	D	4.53
381	Fatehgarh Sahib	Khera	NOAA-20	30.66361	76.57000	13:52:00	D	2.32
382	Fatehgarh Sahib	Khera	NOAA-20	30.67179	76.53146	13:52:00	D	2.50
383	Fatehgarh Sahib	Khera	AQUA	30.60456	76.44728	13:18:00	D	31.67
384	Fatehgarh Sahib	Sirhind	NOAA-20	30.48331	76.43427	13:50:00	D	5.68
385	Fatehgarh Sahib	Sirhind	NOAA-20	30.49353	76.45317	13:50:00	D	1.87
386	Fatehgarh Sahib	Sirhind	NOAA-20	30.50064	76.44400	13:50:00	D	3.31
387	Fatehgarh Sahib	Sirhind	NOAA-20	30.50511	76.48423	13:50:00	D	2.38
388	Fatehgarh Sahib	Sirhind	NOAA-20	30.51402	76.49117	13:50:00	D	7.92
389	Fatehgarh Sahib	Sirhind	NOAA-20	30.52562	76.47324	13:50:00	D	2.74
390	Fatehgarh Sahib	Sirhind	NOAA-20	30.52826	76.47275	13:50:00	D	2.25
391	Fatehgarh Sahib	Sirhind	NOAA-20	30.53208	76.41925	13:50:00	D	8.61
392	Fatehgarh Sahib	Sirhind	NOAA-20	30.53551	76.45138	13:50:00	D	3.73

393	Fatehgarh Sahib	Sirhind	NOAA-20	30.55867	76.43987	13:50:00	D	19.70
394	Fatehgarh Sahib	Sirhind	NOAA-20	30.56118	76.50098	13:50:00	D	13.82
395	Fatehgarh Sahib	Sirhind	NOAA-20	30.58584	76.39120	13:50:00	D	11.32
396	Fatehgarh Sahib	Sirhind	NOAA-20	30.58628	76.39520	13:50:00	D	30.41
397	Fatehgarh Sahib	Sirhind	NOAA-20	30.58929	76.34918	13:50:00	D	5.52
398	Fatehgarh Sahib	Sirhind	NOAA-20	30.60058	76.34149	13:52:00	D	4.32
399	Fatehgarh Sahib	Sirhind	NOAA-20	30.60522	76.34689	13:52:00	D	4.32
400	Fatehgarh Sahib	Sirhind	NOAA-20	30.61386	76.35172	13:52:00	D	9.60
401	Fatehgarh Sahib	Sirhind	NOAA-20	30.61648	76.35603	13:52:00	D	5.68
402	Fatehgarh Sahib	Sirhind	NOAA-20	30.62318	76.34293	13:52:00	D	4.15
403	Fatehgarh Sahib	Sirhind	NOAA-20	30.62398	76.31255	13:52:00	D	4.73
404	Fatehgarh Sahib	Sirhind	NOAA-20	30.62924	76.32388	13:52:00	D	10.21
405	Fazilka	Abohar	NOAA-20	30.16925	74.27556	13:50:00	D	22.39
406	Fazilka	Arniwala Sheikh Subanpur	NOAA-20	30.29119	74.24263	13:50:00	D	6.27
407	Fazilka	Arniwala Sheikh Subanpur	NOAA-20	30.30374	74.16898	13:50:00	D	4.26
408	Fazilka	Fazilka	NOAA-20	30.34018	73.97418	13:52:00	D	3.02
409	Fazilka	Fazilka	NOAA-20	30.45197	74.00486	13:52:00	D	3.10
410	Fazilka	Jalalabad	NOAA-20	30.46985	74.25349	13:52:00	D	3.10
411	Fazilka	Jalalabad	NOAA-20	30.51968	74.22687	13:52:00	D	16.70
412	Fazilka	Khuian Sarwar	NOAA-20	30.28079	74.04516	13:50:00	D	3.28
413	Firozpur	Firozpur	NOAA-20	30.84173	74.57641	13:52:00	D	79.36
414	Firozpur	Firozpur	NOAA-20	30.84463	74.59866	13:52:00	D	8.87
415	Firozpur	Firozpur	NOAA-20	30.84844	74.60048	13:52:00	D	14.52
416	Firozpur	Firozpur	NOAA-20	30.84887	74.60301	13:52:00	D	11.34
417	Firozpur	Firozpur	NOAA-20	30.85133	74.59253	13:52:00	D	5.21
418	Firozpur	Firozpur	NOAA-20	30.85147	74.59496	13:52:00	D	4.68
419	Firozpur	Firozpur	NOAA-20	30.86107	74.58086	13:52:00	D	3.21
420	Firozpur	Firozpur	NOAA-20	30.87021	74.56429	13:52:00	D	6.56
421	Firozpur	Firozpur	NOAA-20	30.87558	74.60876	13:52:00	D	5.61
422	Firozpur	Firozpur	NOAA-20	30.87803	74.59827	13:52:00	D	4.24
423	Firozpur	Firozpur	NOAA-20	30.90357	74.56389	13:52:00	D	76.45
424	Firozpur	Firozpur	NOAA-20	30.90660	74.58859	13:52:00	D	29.47
425	Firozpur	Firozpur	NOAA-20	30.91875	74.56647	13:52:00	D	2.08

426	Firozpur	Firozpur	NOAA-20	30.92118	74.58623	13:52:00	D	17.04
427	Firozpur	Firozpur	NOAA-20	30.92239	74.56587	13:52:00	D	5.90
428	Firozpur	Firozpur	NOAA-20	30.93757	74.56845	13:52:00	D	8.29
429	Firozpur	Firozpur	NOAA-20	30.93818	74.57339	13:52:00	D	8.29
430	Firozpur	Firozpur	NOAA-20	30.94244	74.57774	13:52:00	D	5.97
431	Firozpur	Firozpur	NOAA-20	30.97111	74.60046	13:52:00	D	4.70
432	Firozpur	Firozpur	NOAA-20	30.97580	74.67080	13:52:00	D	4.08
433	Firozpur	Firozpur	NOAA-20	30.97908	74.57387	13:52:00	D	3.67
434	Firozpur	Firozpur	NOAA-20	31.01969	74.72511	13:52:00	D	4.17
435	Firozpur	Firozpur	NOAA-20	31.02586	74.65252	13:52:00	D	3.55
436	Firozpur	Firozpur	NOAA-20	31.02952	74.65192	13:52:00	D	3.55
437	Firozpur	Firozpur	NOAA-20	31.03557	74.79469	13:52:00	D	2.79
438	Firozpur	Firozpur	NOAA-20	31.03742	74.77889	13:52:00	D	4.52
439	Firozpur	Firozpur	AQUA	30.92619	74.55724	14:56:00	D	42.22
440	Firozpur	Ghall Khurd	NOAA-20	30.76918	74.89165	13:52:00	D	5.03
441	Firozpur	Ghall Khurd	NOAA-20	30.79506	74.90033	13:52:00	D	2.59
442	Firozpur	Ghall Khurd	NOAA-20	30.80760	74.78492	13:52:00	D	8.61
443	Firozpur	Ghall Khurd	NOAA-20	30.80870	74.85676	13:52:00	D	5.02
444	Firozpur	Ghall Khurd	NOAA-20	30.81127	74.78432	13:52:00	D	8.83
445	Firozpur	Ghall Khurd	NOAA-20	30.82599	74.75125	13:52:00	D	2.81
446	Firozpur	Ghall Khurd	NOAA-20	30.82905	74.68454	13:52:00	D	3.66
447	Firozpur	Ghall Khurd	NOAA-20	30.83692	74.93526	13:52:00	D	2.50
448	Firozpur	Ghall Khurd	NOAA-20	30.83821	74.69832	13:52:00	D	4.16
449	Firozpur	Ghall Khurd	NOAA-20	30.84126	74.90855	13:52:00	D	2.96
450	Firozpur	Ghall Khurd	NOAA-20	30.84368	74.68218	13:52:00	D	3.74
451	Firozpur	Ghall Khurd	NOAA-20	30.84558	74.91306	13:52:00	D	2.96
452	Firozpur	Ghall Khurd	NOAA-20	30.84928	74.91248	13:52:00	D	7.58
453	Firozpur	Ghall Khurd	NOAA-20	30.85892	74.68748	13:52:00	D	42.23
454	Firozpur	Ghall Khurd	NOAA-20	30.85950	74.65934	13:52:00	D	5.48
455	Firozpur	Ghall Khurd	NOAA-20	30.86100	74.94710	13:52:00	D	8.44
456	Firozpur	Ghall Khurd	NOAA-20	30.86408	74.91014	13:52:00	D	6.90
457	Firozpur	Ghall Khurd	NOAA-20	30.86525	74.82709	13:52:00	D	6.59
458	Firozpur	Ghall Khurd	NOAA-20	30.86589	74.86314	13:52:00	D	9.14

459	Firozpur	Ghall Khurd	NOAA-20	30.86652	74.86823	13:52:00	D	9.14
460	Firozpur	Ghall Khurd	NOAA-20	30.86893	74.82651	13:52:00	D	12.07
461	Firozpur	Ghall Khurd	NOAA-20	30.87187	74.82887	13:52:00	D	4.33
462	Firozpur	Ghall Khurd	NOAA-20	30.87604	74.67455	13:52:00	D	7.18
463	Firozpur	Ghall Khurd	NOAA-20	30.87663	74.67954	13:52:00	D	7.83
464	Firozpur	Ghall Khurd	NOAA-20	30.88004	74.77094	13:52:00	D	3.98
465	Firozpur	Ghall Khurd	NOAA-20	30.88791	74.80567	13:52:00	D	8.23
466	Firozpur	Ghall Khurd	NOAA-20	30.89588	74.80954	13:52:00	D	5.90
467	Firozpur	Ghall Khurd	NOAA-20	30.89595	74.77866	13:52:00	D	6.12
468	Firozpur	Ghall Khurd	NOAA-20	30.89760	74.85580	13:52:00	D	2.30
469	Firozpur	Ghall Khurd	NOAA-20	30.89888	74.83487	13:52:00	D	5.39
470	Firozpur	Ghall Khurd	NOAA-20	30.90250	74.86539	13:52:00	D	15.89
471	Firozpur	Ghall Khurd	NOAA-20	30.90462	74.72601	13:52:00	D	11.57
472	Firozpur	Ghall Khurd	NOAA-20	30.90527	74.70037	13:52:00	D	7.79
473	Firozpur	Ghall Khurd	NOAA-20	30.91930	74.72365	13:52:00	D	4.04
474	Firozpur	Ghall Khurd	NOAA-20	30.92292	74.78461	13:52:00	D	3.41
475	Firozpur	Ghall Khurd	NOAA-20	30.92538	74.77393	13:52:00	D	6.26
476	Firozpur	Ghall Khurd	NOAA-20	30.92782	74.79412	13:52:00	D	6.76
477	Firozpur	Ghall Khurd	NOAA-20	30.93150	74.79353	13:52:00	D	6.76
478	Firozpur	Ghall Khurd	NOAA-20	30.93211	74.79860	13:52:00	D	6.76
479	Firozpur	Ghall Khurd	NOAA-20	30.93518	74.79295	13:52:00	D	8.58
480	Firozpur	Ghall Khurd	NOAA-20	30.93577	74.82898	13:52:00	D	6.06
481	Firozpur	Ghall Khurd	NOAA-20	30.93825	74.78730	13:52:00	D	12.81
482	Firozpur	Ghall Khurd	NOAA-20	30.94008	74.67947	13:52:00	D	3.35
483	Firozpur	Ghall Khurd	NOAA-20	30.94315	74.70447	13:52:00	D	7.05
484	Firozpur	Ghall Khurd	NOAA-20	30.95230	74.68768	13:52:00	D	25.39
485	Firozpur	Ghall Khurd	NOAA-20	30.97497	74.71982	13:52:00	D	4.42
486	Firozpur	Ghall Khurd	NOAA-20	30.98978	74.69408	13:52:00	D	29.55
487	Firozpur	Ghall Khurd	NOAA-20	30.99150	74.73991	13:52:00	D	10.49
488	Firozpur	Ghall Khurd	NOAA-20	30.99697	74.75446	13:52:00	D	27.68
489	Firozpur	Ghall Khurd	NOAA-20	31.00734	74.77856	13:52:00	D	3.60
490	Firozpur	Ghall Khurd	NOAA-20	31.01048	74.74201	13:52:00	D	3.62
491	Firozpur	Guruhar Sahai	NOAA-20	30.61893	74.36303	13:52:00	D	6.70

492	Firozpur	Guruhar Sahai	NOAA-20	30.63190	74.46905	13:52:00	D	5.46
493	Firozpur	Guruhar Sahai	NOAA-20	30.63492	74.46362	13:52:00	D	6.90
494	Firozpur	Guruhar Sahai	NOAA-20	30.63627	74.38464	13:52:00	D	3.29
495	Firozpur	Guruhar Sahai	NOAA-20	30.63746	74.39424	13:52:00	D	3.26
496	Firozpur	Guruhar Sahai	NOAA-20	30.63794	74.45818	13:52:00	D	3.13
497	Firozpur	Guruhar Sahai	NOAA-20	30.64096	74.45275	13:52:00	D	7.23
498	Firozpur	Guruhar Sahai	NOAA-20	30.64156	74.45760	13:52:00	D	7.23
499	Firozpur	Guruhar Sahai	NOAA-20	30.64522	74.42741	13:52:00	D	3.32
500	Firozpur	Guruhar Sahai	NOAA-20	30.66081	74.46432	13:52:00	D	4.83
501	Firozpur	Guruhar Sahai	NOAA-20	30.66443	74.46373	13:52:00	D	4.08
502	Firozpur	Guruhar Sahai	NOAA-20	30.70541	74.46690	13:52:00	D	18.96
503	Firozpur	Guruhar Sahai	NOAA-20	30.71703	74.34384	13:52:00	D	5.38
504	Firozpur	Guruhar Sahai	NOAA-20	30.72156	74.44151	13:52:00	D	3.62
505	Firozpur	Guruhar Sahai	NOAA-20	30.72404	74.43914	13:52:00	D	8.27
506	Firozpur	Guruhar Sahai	NOAA-20	30.72734	74.27865	13:52:00	D	5.14
507	Firozpur	Guruhar Sahai	NOAA-20	30.73181	74.43489	13:52:00	D	6.78
508	Firozpur	Guruhar Sahai	NOAA-20	30.73910	74.40408	13:52:00	D	2.64
509	Firozpur	Guruhar Sahai	NOAA-20	30.75301	74.33790	13:52:00	D	3.33
510	Firozpur	Guruhar Sahai	NOAA-20	30.75344	74.46104	13:52:00	D	5.02
511	Firozpur	Guruhar Sahai	NOAA-20	30.75710	74.43074	13:52:00	D	4.53
512	Firozpur	Guruhar Sahai	NOAA-20	30.76080	74.34151	13:52:00	D	9.84
513	Firozpur	Guruhar Sahai	NOAA-20	30.76127	74.46471	13:52:00	D	4.01
514	Firozpur	Guruhar Sahai	NOAA-20	30.76439	74.34093	13:52:00	D	4.13
515	Firozpur	Guruhar Sahai	NOAA-20	30.77335	74.44292	13:52:00	D	1.55
516	Firozpur	Makhu	NOAA-20	31.05398	74.88532	13:52:00	D	9.27
517	Firozpur	Makhu	NOAA-20	31.06878	74.97746	13:52:00	D	3.45
518	Firozpur	Makhu	NOAA-20	31.07249	74.85109	13:52:00	D	4.33
519	Firozpur	Makhu	NOAA-20	31.07991	74.88120	13:52:00	D	4.58
520	Firozpur	Makhu	NOAA-20	31.08355	74.81812	13:52:00	D	9.84
521	Firozpur	Makhu	NOAA-20	31.08420	74.85442	13:52:00	D	3.72
522	Firozpur	Makhu	NOAA-20	31.08542	74.83342	13:52:00	D	7.63
523	Firozpur	Makhu	NOAA-20	31.08911	74.83283	13:52:00	D	7.63
524	Firozpur	Makhu	NOAA-20	31.09598	74.88910	13:52:00	D	5.22

525	Firozpur	Makhu	NOAA-20	31.10365	75.11019	13:52:00	D	7.65
526	Firozpur	Makhu	NOAA-20	31.11549	74.90915	13:52:00	D	3.41
527	Firozpur	Makhu	NOAA-20	31.11597	74.99115	13:52:00	D	4.06
528	Firozpur	Makhu	NOAA-20	31.11802	75.10260	13:52:00	D	29.09
529	Firozpur	Makhu	NOAA-20	31.11929	74.87711	13:52:00	D	7.01
530	Firozpur	Makhu	NOAA-20	31.13061	75.03893	13:52:00	D	6.48
531	Firozpur	Makhu	NOAA-20	31.14030	74.86329	13:52:00	D	3.53
532	Firozpur	Makhu	NOAA-20	31.14148	74.90503	13:52:00	D	8.23
533	Firozpur	Makhu	NOAA-20	31.15384	74.91357	13:52:00	D	12.83
534	Firozpur	Makhu	TERRA	31.10604	74.89322	11:10:00	D	9.68
535	Firozpur	Mamdot	NOAA-20	30.78721	74.43569	13:52:00	D	6.36
536	Firozpur	Mamdot	NOAA-20	30.79142	74.41027	13:52:00	D	6.62
537	Firozpur	Mamdot	NOAA-20	30.79203	74.44481	13:52:00	D	4.91
538	Firozpur	Mamdot	NOAA-20	30.79560	74.35542	13:52:00	D	3.33
539	Firozpur	Mamdot	NOAA-20	30.80230	74.52770	13:52:00	D	9.19
540	Firozpur	Mamdot	NOAA-20	30.80341	74.35904	13:52:00	D	4.09
541	Firozpur	Mamdot	NOAA-20	30.80640	74.35363	13:52:00	D	3.64
542	Firozpur	Mamdot	NOAA-20	30.80649	74.44244	13:52:00	D	3.38
543	Firozpur	Mamdot	NOAA-20	30.81138	74.54123	13:52:00	D	27.85
544	Firozpur	Mamdot	NOAA-20	30.81378	74.50089	13:52:00	D	8.60
545	Firozpur	Mamdot	NOAA-20	30.81904	74.36631	13:52:00	D	7.40
546	Firozpur	Mamdot	NOAA-20	30.82061	74.36840	13:52:00	D	4.23
547	Firozpur	Mamdot	NOAA-20	30.82820	74.43889	13:52:00	D	18.29
548	Firozpur	Mamdot	NOAA-20	30.82936	74.41888	13:52:00	D	9.10
549	Firozpur	Mamdot	NOAA-20	30.83084	74.36179	13:52:00	D	8.73
550	Firozpur	Mamdot	NOAA-20	30.83303	74.44051	13:52:00	D	1.91
551	Firozpur	Mamdot	NOAA-20	30.83707	74.50459	13:52:00	D	2.47
552	Firozpur	Mamdot	NOAA-20	30.84100	74.38477	13:52:00	D	14.90
553	Firozpur	Mamdot	NOAA-20	30.84584	74.36423	13:52:00	D	13.90
554	Firozpur	Mamdot	NOAA-20	30.84980	74.48752	13:52:00	D	4.77
555	Firozpur	Mamdot	NOAA-20	30.85781	74.40176	13:52:00	D	10.36
556	Firozpur	Mamdot	NOAA-20	30.85964	74.38664	13:52:00	D	6.13
557	Firozpur	Mamdot	NOAA-20	30.86079	74.42603	13:52:00	D	3.97

558	Firozpur	Mamdot	NOAA-20	30.86181	74.52554	13:52:00	D	4.62
559	Firozpur	Mamdot	NOAA-20	30.86686	74.38544	13:52:00	D	2.62
560	Firozpur	Mamdot	NOAA-20	30.87226	74.39938	13:52:00	D	3.91
561	Firozpur	Mamdot	NOAA-20	30.87405	74.41394	13:52:00	D	6.61
562	Firozpur	Mamdot	NOAA-20	30.87944	74.45774	13:52:00	D	6.47
563	Firozpur	Mamdot	NOAA-20	30.88066	74.43766	13:52:00	D	5.48
564	Firozpur	Mamdot	NOAA-20	30.88307	74.45715	13:52:00	D	6.47
565	Firozpur	Mamdot	NOAA-20	30.90359	74.47373	13:52:00	D	3.64
566	Firozpur	Mamdot	NOAA-20	30.90420	74.47862	13:52:00	D	3.64
567	Firozpur	Mamdot	NOAA-20	30.94164	74.45257	13:52:00	D	4.69
568	Firozpur	Mamdot	NOAA-20	30.94184	74.44953	13:52:00	D	6.14
569	Firozpur	Mamdot	AQUA	30.80880	74.37849	14:56:00	D	89.17
570	Firozpur	Zira	NOAA-20	30.89500	74.94695	13:52:00	D	5.20
571	Firozpur	Zira	NOAA-20	30.89671	74.94441	13:52:00	D	9.93
572	Firozpur	Zira	NOAA-20	30.89688	74.96233	13:52:00	D	7.75
573	Firozpur	Zira	NOAA-20	30.89911	74.96497	13:52:00	D	6.55
574	Firozpur	Zira	NOAA-20	30.90321	75.03268	13:52:00	D	4.74
575	Firozpur	Zira	NOAA-20	30.90644	74.99531	13:52:00	D	4.34
576	Firozpur	Zira	NOAA-20	30.90747	74.84386	13:52:00	D	9.45
577	Firozpur	Zira	NOAA-20	30.90965	74.95806	13:52:00	D	2.91
578	Firozpur	Zira	NOAA-20	30.91066	75.03151	13:52:00	D	5.68
579	Firozpur	Zira	NOAA-20	30.91667	74.85794	13:52:00	D	4.63
580	Firozpur	Zira	NOAA-20	30.91811	75.03034	13:52:00	D	3.35
581	Firozpur	Zira	NOAA-20	30.91881	75.00387	13:52:00	D	1.51
582	Firozpur	Zira	NOAA-20	30.91957	74.94601	13:52:00	D	4.30
583	Firozpur	Zira	NOAA-20	30.92649	74.87714	13:52:00	D	14.01
584	Firozpur	Zira	NOAA-20	30.93004	74.97056	13:52:00	D	3.15
585	Firozpur	Zira	NOAA-20	30.94432	74.93163	13:52:00	D	4.30
586	Firozpur	Zira	NOAA-20	30.94437	74.86909	13:52:00	D	4.54
587	Firozpur	Zira	NOAA-20	30.94438	74.83795	13:52:00	D	15.49
588	Firozpur	Zira	NOAA-20	30.94554	74.94189	13:52:00	D	4.36
589	Firozpur	Zira	NOAA-20	30.94741	74.92592	13:52:00	D	4.30
590	Firozpur	Zira	NOAA-20	30.95237	74.87301	13:52:00	D	9.75

591	Firozpur	Zira	NOAA-20	30.96342	75.06024	13:52:00	D	16.91
592	Firozpur	Zira	NOAA-20	30.96347	74.93383	13:52:00	D	7.86
593	Firozpur	Zira	NOAA-20	31.00107	75.01456	13:52:00	D	8.41
594	Firozpur	Zira	NOAA-20	31.00382	75.01685	13:52:00	D	8.43
595	Firozpur	Zira	NOAA-20	31.00392	74.90895	13:52:00	D	8.17
596	Firozpur	Zira	NOAA-20	31.00788	74.81465	13:52:00	D	7.84
597	Firozpur	Zira	NOAA-20	31.01988	74.94834	13:52:00	D	5.06
598	Firozpur	Zira	NOAA-20	31.03672	74.86719	13:52:00	D	2.18
599	Gurdaspur	Batala	NOAA-20	31.76655	75.22034	13:52:00	D	3.00
600	Gurdaspur	Dera Baba Nanak	NOAA-20	31.90681	75.07255	13:52:00	D	3.39
601	Gurdaspur	Dera Baba Nanak	NOAA-20	31.92940	75.13518	13:52:00	D	2.74
602	Gurdaspur	Dera Baba Nanak	NOAA-20	31.95648	74.97186	13:52:00	D	4.97
603	Gurdaspur	Dera Baba Nanak	NOAA-20	31.97210	74.94222	13:52:00	D	6.05
604	Gurdaspur	Dera Baba Nanak	NOAA-20	31.97250	74.94012	13:52:00	D	5.08
605	Gurdaspur	Dera Baba Nanak	NOAA-20	31.97481	75.06190	13:52:00	D	3.35
606	Gurdaspur	Dera Baba Nanak	NOAA-20	32.03437	75.07818	13:52:00	D	10.34
607	Gurdaspur	Dhariwal	NOAA-20	31.93877	75.21709	13:52:00	D	2.10
608	Gurdaspur	Dhariwal	NOAA-20	31.96540	75.28027	13:52:00	D	4.79
609	Gurdaspur	Fatehgarh Churian	NOAA-20	31.88292	75.06532	13:52:00	D	6.64
610	Gurdaspur	Gurdaspur	NOAA-20	31.98514	75.48820	13:52:00	D	4.56
611	Gurdaspur	Kahnuwan	NOAA-20	31.82246	75.52097	13:52:00	D	1.79
612	Gurdaspur	Kahnuwan	NOAA-20	31.86387	75.33212	13:52:00	D	4.80
613	Gurdaspur	Kalanaur	NOAA-20	31.99019	75.22594	13:52:00	D	4.87
614	Gurdaspur	Kalanaur	NOAA-20	31.99850	75.23965	13:52:00	D	4.50
615	Gurdaspur	Kalanaur	NOAA-20	31.99911	75.24517	13:52:00	D	2.57
616	Gurdaspur	Kalanaur	NOAA-20	31.99975	75.24127	13:52:00	D	3.28
617	Gurdaspur	Kalanaur	NOAA-20	32.00040	75.24678	13:52:00	D	3.28
618	Gurdaspur	Qadian	NOAA-20	31.79417	75.52699	13:52:00	D	4.65
619	Gurdaspur	Sri Hargobindpur	NOAA-20	31.74556	75.34091	13:52:00	D	5.75
620	Gurdaspur	Sri Hargobindpur	NOAA-20	31.74931	75.40807	13:52:00	D	4.56
621	Hoshiarpur	Dasuya	NOAA-20	31.80064	75.61855	13:52:00	D	3.69
622	Hoshiarpur	Garh Shankar	NOAA-20	31.21891	76.10801	13:52:00	D	5.23
623	Hoshiarpur	Garh Shankar	NOAA-20	31.21957	76.11394	13:52:00	D	5.23



624	Hoshiarpur	Hajipur	NOAA-20	31.94195	75.67150	13:52:00	D	2.63
625	Hoshiarpur	Tanda	NOAA-20	31.60653	75.59478	13:52:00	D	3.95
626	Hoshiarpur	Tanda	NOAA-20	31.63996	75.56505	13:52:00	D	4.91
627	Hoshiarpur	Tanda	NOAA-20	31.64572	75.58144	13:52:00	D	4.21
628	Hoshiarpur	Tanda	NOAA-20	31.65611	75.53390	13:52:00	D	8.24
629	Hoshiarpur	Tanda	NOAA-20	31.65738	75.54517	13:52:00	D	10.39
630	Hoshiarpur	Tanda	NOAA-20	31.65801	75.55081	13:52:00	D	10.39
631	Hoshiarpur	Tanda	NOAA-20	31.70655	75.55182	13:52:00	D	4.26
632	Hoshiarpur	Tanda	NOAA-20	31.71279	75.58282	13:52:00	D	4.70
633	Hoshiarpur	Tanda	NOAA-20	31.71414	75.58528	13:52:00	D	4.42
634	Jalandhar	Jalandhar East	NOAA-20	31.34065	75.70216	13:52:00	D	2.94
635	Jalandhar	Jalandhar West	NOAA-20	31.48568	75.58089	13:52:00	D	11.76
636	Jalandhar	Jalandhar West	NOAA-20	31.49666	75.52555	13:52:00	D	4.18
637	Jalandhar	Lohian	NOAA-20	31.08486	75.17762	13:52:00	D	14.67
638	Jalandhar	Lohian	NOAA-20	31.09926	75.23489	13:52:00	D	3.69
639	Jalandhar	Lohian	NOAA-20	31.12693	75.24147	13:52:00	D	8.39
640	Jalandhar	Lohian	NOAA-20	31.13325	75.26228	13:52:00	D	4.03
641	Jalandhar	Lohian	NOAA-20	31.13957	75.28310	13:52:00	D	3.18
642	Jalandhar	Lohian	NOAA-20	31.15092	75.28136	13:52:00	D	2.34
643	Jalandhar	Lohian	NOAA-20	31.16036	75.33188	13:52:00	D	6.84
644	Jalandhar	Lohian	NOAA-20	31.16682	75.28698	13:52:00	D	6.87
645	Jalandhar	Mehatpur	NOAA-20	30.99624	75.43966	13:52:00	D	4.05
646	Jalandhar	Mehatpur	NOAA-20	31.00770	75.40475	13:52:00	D	5.59
647	Jalandhar	Mehatpur	NOAA-20	31.05328	75.43954	13:52:00	D	7.33
648	Jalandhar	Mehatpur	NOAA-20	31.05466	75.44182	13:52:00	D	7.08
649	Jalandhar	Nakodar	NOAA-20	31.16303	75.45892	13:52:00	D	4.14
650	Jalandhar	Nakodar	NOAA-20	31.16452	75.46144	13:52:00	D	6.68
651	Jalandhar	Nakodar	NOAA-20	31.17656	75.58051	13:52:00	D	4.56
652	Jalandhar	Nakodar	NOAA-20	31.17810	75.57729	13:52:00	D	6.24
653	Jalandhar	Nakodar	NOAA-20	31.19031	75.49393	13:52:00	D	3.91
654	Jalandhar	Nakodar	NOAA-20	31.21369	75.59761	13:52:00	D	4.82
655	Jalandhar	Nur Mahal	NOAA-20	31.02902	75.72729	13:52:00	D	7.01
656	Jalandhar	Nur Mahal	NOAA-20	31.02965	75.73293	13:52:00	D	2.01

657	Jalandhar	Nur Mahal	NOAA-20	31.03297	75.65824	13:52:00	D	4.42
658	Jalandhar	Nur Mahal	NOAA-20	31.07876	75.59797	13:52:00	D	5.85
659	Jalandhar	Nur Mahal	NOAA-20	31.08042	75.59447	13:52:00	D	6.21
660	Jalandhar	Nur Mahal	NOAA-20	31.08760	75.65572	13:52:00	D	5.68
661	Jalandhar	Nur Mahal	NOAA-20	31.08943	75.65876	13:52:00	D	7.88
662	Jalandhar	Nur Mahal	NOAA-20	31.10005	75.54401	13:52:00	D	29.36
663	Jalandhar	Nur Mahal	NOAA-20	31.11023	75.56497	13:52:00	D	5.61
664	Jalandhar	Nur Mahal	NOAA-20	31.11344	75.55886	13:52:00	D	5.71
665	Jalandhar	Nur Mahal	NOAA-20	31.11652	75.62057	13:52:00	D	5.39
666	Jalandhar	Phillaur	NOAA-20	31.00620	75.80545	13:52:00	D	5.77
667	Jalandhar	Phillaur	NOAA-20	31.04765	75.78764	13:52:00	D	3.79
668	Jalandhar	Phillaur	NOAA-20	31.05931	75.75137	13:52:00	D	4.53
669	Jalandhar	Phillaur	NOAA-20	31.06190	75.77399	13:52:00	D	3.69
670	Jalandhar	Phillaur	NOAA-20	31.06703	75.88922	13:52:00	D	12.65
671	Jalandhar	Phillaur	NOAA-20	31.09172	75.82737	13:52:00	D	4.30
672	Jalandhar	Phillaur	NOAA-20	31.09195	75.82510	13:52:00	D	4.95
673	Jalandhar	Phillaur	NOAA-20	31.09762	75.87886	13:52:00	D	3.49
674	Jalandhar	Phillaur	NOAA-20	31.10723	75.89279	13:52:00	D	8.95
675	Jalandhar	Phillaur	NOAA-20	31.10741	75.89494	13:52:00	D	8.05
676	Jalandhar	Phillaur	NOAA-20	31.12413	75.90201	13:52:00	D	3.83
677	Jalandhar	Phillaur	NOAA-20	31.12500	75.83763	13:52:00	D	6.03
678	Jalandhar	Phillaur	NOAA-20	31.16329	75.86108	13:52:00	D	7.33
679	Jalandhar	Phillaur	NOAA-20	31.16720	75.86050	13:52:00	D	6.73
680	Jalandhar	Rurka Kalan	NOAA-20	31.12479	75.65910	13:52:00	D	17.92
681	Jalandhar	Rurka Kalan	NOAA-20	31.12992	75.66974	13:52:00	D	13.15
682	Jalandhar	Rurka Kalan	NOAA-20	31.13514	75.61208	13:52:00	D	3.00
683	Jalandhar	Rurka Kalan	NOAA-20	31.14269	75.74812	13:52:00	D	8.66
684	Jalandhar	Rurka Kalan	NOAA-20	31.14470	75.69612	13:52:00	D	3.76
685	Jalandhar	Rurka Kalan	NOAA-20	31.15630	75.69437	13:52:00	D	5.98
686	Jalandhar	Rurka Kalan	NOAA-20	31.16017	75.69379	13:52:00	D	5.98
687	Jalandhar	Rurka Kalan	NOAA-20	31.17047	75.64656	13:52:00	D	3.46
688	Jalandhar	Rurka Kalan	NOAA-20	31.17433	75.64598	13:52:00	D	7.14
689	Jalandhar	Shahkot	NOAA-20	31.04804	75.32460	13:52:00	D	7.21

690	Jalandhar	Shahkot	NOAA-20	31.04813	75.32167	13:52:00	D	4.03
691	Jalandhar	Shahkot	NOAA-20	31.05899	75.25199	13:52:00	D	13.16
692	Jalandhar	Shahkot	NOAA-20	31.05960	75.25734	13:52:00	D	13.16
693	Jalandhar	Shahkot	NOAA-20	31.06338	75.25675	13:52:00	D	13.16
694	Jalandhar	Shahkot	NOAA-20	31.09230	75.27405	13:52:00	D	5.67
695	Jalandhar	Shahkot	NOAA-20	31.09527	75.39982	13:52:00	D	8.62
696	Jalandhar	Shahkot	NOAA-20	31.09608	75.27346	13:52:00	D	5.67
697	Jalandhar	Shahkot	NOAA-20	31.10732	75.40350	13:52:00	D	6.27
698	Jalandhar	Shahkot	NOAA-20	31.11112	75.40291	13:52:00	D	6.27
699	Jalandhar	Shahkot	NOAA-20	31.11435	75.26520	13:52:00	D	5.11
700	Kapurthala	Dhilwan	NOAA-20	31.37211	75.23431	13:52:00	D	7.63
701	Kapurthala	Dhilwan	NOAA-20	31.37977	75.20026	13:52:00	D	7.65
702	Kapurthala	Dhilwan	NOAA-20	31.38154	75.24931	13:52:00	D	7.93
703	Kapurthala	Dhilwan	NOAA-20	31.40302	75.23498	13:52:00	D	5.16
704	Kapurthala	Dhilwan	NOAA-20	31.40478	75.31745	13:52:00	D	9.12
705	Kapurthala	Dhilwan	NOAA-20	31.46435	75.29717	13:52:00	D	9.71
706	Kapurthala	Dhilwan	NOAA-20	31.50853	75.42188	13:52:00	D	2.92
707	Kapurthala	Dhilwan	NOAA-20	31.51120	75.37656	13:52:00	D	4.93
708	Kapurthala	Dhilwan	NOAA-20	31.51370	75.39861	13:52:00	D	3.25
709	Kapurthala	Dhilwan	NOAA-20	31.53475	75.37852	13:52:00	D	1.76
710	Kapurthala	Kapurthala	NOAA-20	31.27462	75.28980	13:52:00	D	3.07
711	Kapurthala	Kapurthala	NOAA-20	31.28078	75.34396	13:52:00	D	5.51
712	Kapurthala	Kapurthala	NOAA-20	31.34099	75.29605	13:52:00	D	8.56
713	Kapurthala	Nadala	NOAA-20	31.53145	75.45220	13:52:00	D	6.07
714	Kapurthala	Nadala	NOAA-20	31.55704	75.40318	13:52:00	D	2.96
715	Kapurthala	Nadala	NOAA-20	31.55831	75.44810	13:52:00	D	3.80
716	Kapurthala	Nadala	NOAA-20	31.56209	75.54987	13:52:00	D	4.00
717	Kapurthala	Nadala	NOAA-20	31.56405	75.39648	13:52:00	D	9.09
718	Kapurthala	Nadala	NOAA-20	31.56533	75.50943	13:52:00	D	13.72
719	Kapurthala	Nadala	NOAA-20	31.56595	75.54928	13:52:00	D	4.00
720	Kapurthala	Nadala	NOAA-20	31.56789	75.46361	13:52:00	D	7.02
721	Kapurthala	Nadala	NOAA-20	31.56918	75.50884	13:52:00	D	13.72
722	Kapurthala	Nadala	NOAA-20	31.56982	75.51443	13:52:00	D	13.72

723	Kapurthala	Nadala	NOAA-20	31.57174	75.46302	13:52:00	D	7.02
724	Kapurthala	Nadala	NOAA-20	31.57236	75.43465	13:52:00	D	3.18
725	Kapurthala	Nadala	NOAA-20	31.57945	75.53009	13:52:00	D	1.67
726	Kapurthala	Nadala	NOAA-20	31.58074	75.54132	13:52:00	D	21.43
727	Kapurthala	Nadala	NOAA-20	31.58330	75.52951	13:52:00	D	2.60
728	Kapurthala	Nadala	NOAA-20	31.58774	75.46624	13:52:00	D	3.45
729	Kapurthala	Nadala	NOAA-20	31.59166	75.53396	13:52:00	D	4.39
730	Kapurthala	Nadala	NOAA-20	31.59472	75.42558	13:52:00	D	4.29
731	Kapurthala	Nadala	NOAA-20	31.59486	75.52776	13:52:00	D	4.39
732	Kapurthala	Nadala	NOAA-20	31.59673	75.47623	13:52:00	D	4.69
733	Kapurthala	Nadala	NOAA-20	31.59680	75.42348	13:52:00	D	4.10
734	Kapurthala	Nadala	NOAA-20	31.59852	75.47421	13:52:00	D	4.42
735	Kapurthala	Nadala	NOAA-20	31.59946	75.55398	13:52:00	D	4.57
736	Kapurthala	Nadala	NOAA-20	31.60197	75.55528	13:52:00	D	3.23
737	Kapurthala	Nadala	NOAA-20	31.61159	75.53664	13:52:00	D	4.42
738	Kapurthala	Nadala	NOAA-20	31.62024	75.49364	13:52:00	D	4.41
739	Kapurthala	Nadala	NOAA-20	31.62064	75.56798	13:52:00	D	19.60
740	Kapurthala	Nadala	NOAA-20	31.63045	75.51492	13:52:00	D	8.54
741	Kapurthala	Nadala	NOAA-20	31.63098	75.55492	13:52:00	D	8.24
742	Kapurthala	Nadala	NOAA-20	31.63107	75.52053	13:52:00	D	8.54
743	Kapurthala	Nadala	NOAA-20	31.63233	75.53178	13:52:00	D	7.72
744	Kapurthala	Phagwara	NOAA-20	31.31725	75.74039	13:52:00	D	4.70
745	Kapurthala	Sultanpur Lodhi	NOAA-20	31.18091	75.17596	13:52:00	D	9.15
746	Kapurthala	Sultanpur Lodhi	NOAA-20	31.18468	75.17538	13:52:00	D	9.15
747	Kapurthala	Sultanpur Lodhi	NOAA-20	31.18530	75.18069	13:52:00	D	5.91
748	Kapurthala	Sultanpur Lodhi	NOAA-20	31.20601	75.09660	13:52:00	D	10.20
749	Kapurthala	Sultanpur Lodhi	NOAA-20	31.23116	75.21156	13:52:00	D	6.22
750	Kapurthala	Sultanpur Lodhi	NOAA-20	31.23310	75.29319	13:52:00	D	7.48
751	Kapurthala	Sultanpur Lodhi	NOAA-20	31.24447	75.29146	13:52:00	D	7.38
752	Kapurthala	Sultanpur Lodhi	NOAA-20	31.25187	75.29332	13:52:00	D	4.05
753	Kapurthala	Sultanpur Lodhi	NOAA-20	31.25205	75.29029	13:52:00	D	6.13
754	Kapurthala	Sultanpur Lodhi	NOAA-20	31.26749	75.12743	13:52:00	D	8.12
755	Kapurthala	Sultanpur Lodhi	NOAA-20	31.27734	75.21272	13:52:00	D	6.11

756	Kapurthala	Sultanpur Lodhi	NOAA-20	31.29502	75.16644	13:52:00	D	3.85
757	Ludhiana	Dehlon	NOAA-20	30.75887	75.80766	13:52:00	D	4.16
758	Ludhiana	Dehlon	NOAA-20	30.75953	75.84769	13:52:00	D	9.13
759	Ludhiana	Doraha	NOAA-20	30.77450	75.94370	13:52:00	D	2.89
760	Ludhiana	Jagraon	NOAA-20	30.66962	75.47386	13:52:00	D	5.90
761	Ludhiana	Jagraon	NOAA-20	30.67544	75.39099	13:52:00	D	3.31
762	Ludhiana	Jagraon	NOAA-20	30.69875	75.49140	13:52:00	D	3.46
763	Ludhiana	Jagraon	NOAA-20	30.70257	75.42501	13:52:00	D	10.65
764	Ludhiana	Jagraon	NOAA-20	30.72223	75.52644	13:52:00	D	6.29
765	Ludhiana	Jagraon	NOAA-20	30.73350	75.42921	13:52:00	D	3.32
766	Ludhiana	Jagraon	NOAA-20	30.73927	75.44127	13:52:00	D	11.39
767	Ludhiana	Jagraon	NOAA-20	30.76111	75.50200	13:52:00	D	3.20
768	Ludhiana	Jagraon	NOAA-20	30.79023	75.55301	13:52:00	D	8.60
769	Ludhiana	Jagraon	NOAA-20	30.79788	75.55184	13:52:00	D	11.65
770	Ludhiana	Jagraon	NOAA-20	30.81634	75.57690	13:52:00	D	2.12
771	Ludhiana	Jagraon	NOAA-20	30.82016	75.57632	13:52:00	D	4.02
772	Ludhiana	Khanna	NOAA-20	30.69160	76.30276	13:52:00	D	8.78
773	Ludhiana	Ludhiana 1	NOAA-20	30.83957	76.02612	13:52:00	D	6.08
774	Ludhiana	Ludhiana 1	NOAA-20	30.84286	76.01974	13:52:00	D	6.08
775	Ludhiana	Ludhiana 2	NOAA-20	30.86309	76.05807	13:52:00	D	9.88
776	Ludhiana	Ludhiana 2	NOAA-20	30.88144	76.00822	13:52:00	D	2.76
777	Ludhiana	Ludhiana 2	NOAA-20	30.90802	75.71289	13:52:00	D	16.44
778	Ludhiana	Ludhiana 2	NOAA-20	30.91188	75.71231	13:52:00	D	16.12
779	Ludhiana	Ludhiana 2	NOAA-20	30.95223	75.96638	13:52:00	D	9.45
780	Ludhiana	Ludhiana 2	NOAA-20	30.95877	75.95369	13:52:00	D	5.64
781	Ludhiana	Ludhiana 2	NOAA-20	30.97033	76.12972	13:52:00	D	10.02
782	Ludhiana	Ludhiana 2	NOAA-20	30.98289	75.88589	13:52:00	D	6.01
783	Ludhiana	Machhiwara	NOAA-20	30.83689	76.25928	13:52:00	D	11.59
784	Ludhiana	Machhiwara	NOAA-20	30.87349	76.15170	13:52:00	D	2.56
785	Ludhiana	Machhiwara	NOAA-20	30.91047	76.26697	13:52:00	D	3.31
786	Ludhiana	Machhiwara	NOAA-20	30.91591	76.31593	13:52:00	D	3.33
787	Ludhiana	Machhiwara	NOAA-20	30.91966	76.16904	13:52:00	D	4.11
788	Ludhiana	Machhiwara	NOAA-20	30.92733	76.17799	13:52:00	D	3.62

789	Ludhiana	Machhiwara	NOAA-20	30.92893	76.17973	13:52:00	D	3.99
790	Ludhiana	Machhiwara	NOAA-20	30.94689	76.24767	13:52:00	D	3.12
791	Ludhiana	Machhiwara	NOAA-20	30.95099	76.21072	13:52:00	D	4.77
792	Ludhiana	Machhiwara	NOAA-20	30.95249	76.15029	13:52:00	D	3.56
793	Ludhiana	Machhiwara	NOAA-20	30.95645	76.14972	13:52:00	D	3.56
794	Ludhiana	Machhiwara	NOAA-20	30.96161	76.19710	13:52:00	D	4.59
795	Ludhiana	Machhiwara	NOAA-20	30.96614	76.23881	13:52:00	D	6.50
796	Ludhiana	Machhiwara	NOAA-20	30.97944	76.21265	13:52:00	D	4.14
797	Ludhiana	Maloud	NOAA-20	30.60024	75.98421	13:52:00	D	7.38
798	Ludhiana	Pakhowal	NOAA-20	30.66060	75.75167	13:52:00	D	3.63
799	Ludhiana	Pakhowal	NOAA-20	30.66173	75.74826	13:52:00	D	3.70
800	Ludhiana	Pakhowal	NOAA-20	30.66440	75.71722	13:52:00	D	1.66
801	Ludhiana	Pakhowal	NOAA-20	30.69061	75.76093	13:52:00	D	8.49
802	Ludhiana	Pakhowal	NOAA-20	30.70915	75.82079	13:52:00	D	3.87
803	Ludhiana	Pakhowal	NOAA-20	30.73693	75.78809	13:52:00	D	7.91
804	Ludhiana	Pakhowal	NOAA-20	30.80698	75.80449	13:52:00	D	3.51
805	Ludhiana	Raikot	NOAA-20	30.58270	75.51799	13:52:00	D	7.15
806	Ludhiana	Raikot	NOAA-20	30.58332	75.52340	13:52:00	D	7.15
807	Ludhiana	Raikot	NOAA-20	30.59665	75.50487	13:52:00	D	7.66
808	Ludhiana	Raikot	NOAA-20	30.59914	75.59284	13:52:00	D	3.36
809	Ludhiana	Raikot	NOAA-20	30.60037	75.63713	13:52:00	D	5.65
810	Ludhiana	Raikot	NOAA-20	30.62080	75.64522	13:52:00	D	3.46
811	Ludhiana	Raikot	NOAA-20	30.65297	75.53147	13:52:00	D	4.21
812	Ludhiana	Raikot	NOAA-20	30.69423	75.55283	13:52:00	D	6.98
813	Ludhiana	Raikot	NOAA-20	30.72668	75.53129	13:52:00	D	11.89
814	Ludhiana	Raikot	NOAA-20	30.73049	75.53072	13:52:00	D	2.52
815	Ludhiana	Samrala	NOAA-20	30.73488	76.19722	13:52:00	D	4.28
816	Ludhiana	Samrala	NOAA-20	30.78830	76.20744	13:52:00	D	2.58
817	Ludhiana	Samrala	NOAA-20	30.80914	76.11337	13:52:00	D	7.18
818	Ludhiana	Samrala	NOAA-20	30.80999	76.11477	13:52:00	D	6.67
819	Ludhiana	Sidhwan Bet	NOAA-20	30.82708	75.37110	13:52:00	D	17.96
820	Ludhiana	Sidhwan Bet	NOAA-20	30.82714	75.43681	13:52:00	D	12.36
821	Ludhiana	Sidhwan Bet	NOAA-20	30.84264	75.40999	13:52:00	D	7.27

822	Ludhiana	Sidhwan Bet	NOAA-20	30.84338	75.38249	13:52:00	D	15.03
823	Ludhiana	Sidhwan Bet	NOAA-20	30.84357	75.41232	13:52:00	D	7.43
824	Ludhiana	Sidhwan Bet	NOAA-20	30.84717	75.38190	13:52:00	D	15.03
825	Ludhiana	Sidhwan Bet	NOAA-20	30.85276	75.62179	13:52:00	D	3.11
826	Ludhiana	Sidhwan Bet	NOAA-20	30.86860	75.40052	13:52:00	D	2.63
827	Ludhiana	Sidhwan Bet	NOAA-20	30.87514	75.56002	13:52:00	D	1.85
828	Ludhiana	Sidhwan Bet	NOAA-20	30.89763	75.45110	13:52:00	D	3.79
829	Ludhiana	Sidhwan Bet	NOAA-20	30.90963	75.52132	13:52:00	D	2.96
830	Ludhiana	Sidhwan Bet	NOAA-20	30.91345	75.52074	13:52:00	D	9.28
831	Ludhiana	Sidhwan Bet	NOAA-20	30.91415	75.39353	13:52:00	D	7.06
832	Ludhiana	Sidhwan Bet	NOAA-20	30.92365	75.44160	13:52:00	D	4.15
833	Ludhiana	Sudhar	NOAA-20	30.74649	75.60053	13:52:00	D	6.39
834	Ludhiana	Sudhar	NOAA-20	30.74866	75.59834	13:52:00	D	6.30
835	Ludhiana	Sudhar	NOAA-20	30.77102	75.58936	13:52:00	D	1.83
836	Ludhiana	Sudhar	NOAA-20	30.78376	75.59859	13:52:00	D	2.31
837	Malerkotla	Ahmedgarh	NOAA-20	30.53648	75.65797	13:52:00	D	3.78
838	Malerkotla	Ahmedgarh	NOAA-20	30.53693	75.68211	13:52:00	D	4.86
839	Malerkotla	Ahmedgarh	NOAA-20	30.54594	75.72560	13:52:00	D	6.32
840	Malerkotla	Ahmedgarh	NOAA-20	30.54769	75.72351	13:52:00	D	6.86
841	Malerkotla	Ahmedgarh	NOAA-20	30.56890	75.70345	13:52:00	D	2.64
842	Malerkotla	Ahmedgarh	NOAA-20	30.60001	75.84031	13:52:00	D	5.85
843	Malerkotla	Ahmedgarh	NOAA-20	30.61492	75.79820	13:52:00	D	4.27
844	Malerkotla	Ahmedgarh	NOAA-20	30.62653	75.76244	13:52:00	D	4.03
845	Malerkotla	Ahmedgarh	NOAA-20	30.62907	75.81886	13:52:00	D	3.12
846	Malerkotla	Ahmedgarh	TERRA	30.57889	75.73051	11:10:00	D	9.44
847	Malerkotla	Amargarh	NOAA-20	30.41071	76.03349	13:50:00	D	3.99
848	Malerkotla	Amargarh	NOAA-20	30.49264	76.01920	13:50:00	D	4.61
849	Malerkotla	Amargarh	NOAA-20	30.49655	76.01862	13:50:00	D	4.61
850	Malerkotla	Amargarh	NOAA-20	30.53230	76.05409	13:50:00	D	3.42
851	Malerkotla	Malerkotla	NOAA-20	30.47506	75.86069	13:50:00	D	2.98
852	Malerkotla	Malerkotla	NOAA-20	30.52221	75.79119	13:50:00	D	3.15
853	Malerkotla	Malerkotla	NOAA-20	30.52607	75.79061	13:50:00	D	3.15
854	Malerkotla	Malerkotla	NOAA-20	30.52928	75.78447	13:50:00	D	3.25

855	Malerkotla	Malerkotla	NOAA-20	30.54469	75.74829	13:52:00	D	2.46
856	Malerkotla	Malerkotla	NOAA-20	30.55182	75.80944	13:52:00	D	4.63
857	Malerkotla	Malerkotla	NOAA-20	30.56150	75.82505	13:52:00	D	2.39
858	Malerkotla	Malerkotla	NOAA-20	30.56329	75.82870	13:52:00	D	4.05
859	Mansa	Bhikhi	NOAA-20	29.98432	75.49656	13:50:00	D	4.26
860	Mansa	Bhikhi	NOAA-20	30.00319	75.49365	13:50:00	D	12.58
861	Mansa	Bhikhi	NOAA-20	30.01206	75.47083	13:50:00	D	8.43
862	Mansa	Bhikhi	NOAA-20	30.02522	75.48490	13:50:00	D	3.95
863	Mansa	Bhikhi	NOAA-20	30.05602	75.51787	13:50:00	D	4.76
864	Mansa	Bhikhi	NOAA-20	30.08252	75.57883	13:50:00	D	2.48
865	Mansa	Bhikhi	NOAA-20	30.09830	75.54929	13:50:00	D	4.84
866	Mansa	Bhikhi	NOAA-20	30.09830	75.55183	13:50:00	D	5.39
867	Mansa	Bhikhi	NOAA-20	30.10546	75.64898	13:50:00	D	8.08
868	Mansa	Bhikhi	NOAA-20	30.10573	75.41599	13:50:00	D	3.26
869	Mansa	Bhikhi	NOAA-20	30.11378	75.45226	13:50:00	D	9.54
870	Mansa	Bhikhi	NOAA-20	30.11714	75.58157	13:50:00	D	16.83
871	Mansa	Bhikhi	NOAA-20	30.11921	75.53235	13:50:00	D	2.83
872	Mansa	Bhikhi	NOAA-20	30.12871	75.51465	13:50:00	D	4.37
873	Mansa	Bhikhi	NOAA-20	30.13295	75.58461	13:50:00	D	37.73
874	Mansa	Bhikhi	NOAA-20	30.16156	75.37001	13:50:00	D	4.51
875	Mansa	Bhikhi	NOAA-20	30.16909	75.40089	13:50:00	D	12.20
876	Mansa	Bhikhi	NOAA-20	30.17787	75.41023	13:50:00	D	7.62
877	Mansa	Bhikhi	NOAA-20	30.18908	75.40586	13:50:00	D	4.30
878	Mansa	Budhlada	NOAA-20	29.76675	75.57476	13:50:00	D	28.55
879	Mansa	Budhlada	NOAA-20	29.78198	75.66972	13:50:00	D	10.78
880	Mansa	Budhlada	NOAA-20	29.78471	75.53188	13:50:00	D	2.15
881	Mansa	Budhlada	NOAA-20	29.78477	75.66679	13:50:00	D	15.00
882	Mansa	Budhlada	NOAA-20	29.78538	75.67213	13:50:00	D	3.31
883	Mansa	Budhlada	NOAA-20	29.78797	75.66086	13:50:00	D	15.00
884	Mansa	Budhlada	NOAA-20	29.78830	75.65791	13:50:00	D	25.32
885	Mansa	Budhlada	NOAA-20	29.79429	75.48232	13:50:00	D	9.71
886	Mansa	Budhlada	NOAA-20	29.80439	75.66925	13:50:00	D	4.97
887	Mansa	Budhlada	NOAA-20	29.80819	75.66867	13:50:00	D	14.41



888	Mansa	Budhlada	NOAA-20	29.81420	75.55420	13:50:00	D	3.84
889	Mansa	Budhlada	NOAA-20	29.81569	75.70023	13:50:00	D	21.50
890	Mansa	Budhlada	NOAA-20	29.81887	75.69430	13:50:00	D	6.23
891	Mansa	Budhlada	NOAA-20	29.81949	75.69966	13:50:00	D	5.29
892	Mansa	Budhlada	NOAA-20	29.81968	75.63432	13:50:00	D	7.87
893	Mansa	Budhlada	NOAA-20	29.82030	75.63966	13:50:00	D	7.87
894	Mansa	Budhlada	NOAA-20	29.82320	75.73193	13:50:00	D	5.24
895	Mansa	Budhlada	NOAA-20	29.82567	75.45621	13:50:00	D	14.01
896	Mansa	Budhlada	NOAA-20	29.82629	75.46144	13:50:00	D	7.89
897	Mansa	Budhlada	NOAA-20	29.82640	75.72598	13:50:00	D	20.26
898	Mansa	Budhlada	NOAA-20	29.82757	75.43999	13:50:00	D	3.55
899	Mansa	Budhlada	NOAA-20	29.83340	75.71943	13:50:00	D	3.34
900	Mansa	Budhlada	NOAA-20	29.83652	75.74639	13:50:00	D	9.02
901	Mansa	Budhlada	NOAA-20	29.84127	75.55544	13:50:00	D	3.94
902	Mansa	Budhlada	NOAA-20	29.84190	75.56071	13:50:00	D	3.94
903	Mansa	Budhlada	NOAA-20	29.84671	75.73386	13:50:00	D	5.93
904	Mansa	Budhlada	NOAA-20	29.84990	75.72790	13:50:00	D	5.93
905	Mansa	Budhlada	NOAA-20	29.85131	75.60784	13:50:00	D	3.59
906	Mansa	Budhlada	NOAA-20	29.85134	75.57543	13:50:00	D	5.80
907	Mansa	Budhlada	NOAA-20	29.85241	75.74949	13:50:00	D	8.21
908	Mansa	Budhlada	NOAA-20	29.85701	75.59075	13:50:00	D	1.95
909	Mansa	Budhlada	NOAA-20	29.86773	75.64874	13:50:00	D	5.70
910	Mansa	Budhlada	NOAA-20	29.86832	75.75259	13:50:00	D	10.01
911	Mansa	Budhlada	NOAA-20	29.87006	75.38052	13:50:00	D	3.41
912	Mansa	Budhlada	NOAA-20	29.87078	75.37824	13:50:00	D	2.72
913	Mansa	Budhlada	NOAA-20	29.87216	75.71907	13:50:00	D	5.60
914	Mansa	Budhlada	NOAA-20	29.87277	75.75742	13:50:00	D	5.68
915	Mansa	Budhlada	NOAA-20	29.88036	75.59261	13:50:00	D	30.97
916	Mansa	Budhlada	NOAA-20	29.89092	75.51890	13:50:00	D	2.14
917	Mansa	Budhlada	NOAA-20	29.89314	75.73237	13:50:00	D	11.65
918	Mansa	Budhlada	NOAA-20	29.89845	75.68578	13:50:00	D	4.40
919	Mansa	Budhlada	NOAA-20	29.89882	75.68221	13:50:00	D	3.11
920	Mansa	Budhlada	NOAA-20	29.89946	75.59308	13:50:00	D	3.37

921	Mansa	Budhlada	NOAA-20	29.91228	75.76252	13:50:00	D	4.34
922	Mansa	Budhlada	NOAA-20	29.91303	75.47800	13:50:00	D	6.28
923	Mansa	Budhlada	NOAA-20	29.91955	75.63346	13:50:00	D	6.53
924	Mansa	Budhlada	NOAA-20	29.92078	75.64417	13:50:00	D	7.66
925	Mansa	Budhlada	NOAA-20	29.92303	75.49789	13:50:00	D	4.54
926	Mansa	Budhlada	NOAA-20	29.92978	75.58846	13:50:00	D	6.21
927	Mansa	Budhlada	NOAA-20	29.93040	75.59377	13:50:00	D	6.21
928	Mansa	Budhlada	NOAA-20	29.94376	75.51080	13:50:00	D	6.37
929	Mansa	Budhlada	NOAA-20	29.95256	75.52021	13:50:00	D	12.27
930	Mansa	Budhlada	NOAA-20	29.95881	75.60573	13:50:00	D	14.02
931	Mansa	Budhlada	NOAA-20	29.95947	75.57851	13:50:00	D	5.10
932	Mansa	Budhlada	NOAA-20	29.97020	75.57146	13:50:00	D	3.04
933	Mansa	Budhlada	NOAA-20	29.97082	75.51205	13:50:00	D	11.73
934	Mansa	Budhlada	NOAA-20	29.97399	75.57088	13:50:00	D	4.76
935	Mansa	Budhlada	NOAA-20	29.97588	75.55437	13:50:00	D	13.91
936	Mansa	Budhlada	NOAA-20	29.97966	75.55380	13:50:00	D	3.41
937	Mansa	Budhlada	NOAA-20	29.98478	75.53418	13:50:00	D	7.50
938	Mansa	Budhlada	NOAA-20	29.98532	75.53675	13:50:00	D	3.92
939	Mansa	Budhlada	NOAA-20	30.00650	75.62308	13:50:00	D	8.81
940	Mansa	Budhlada	NOAA-20	30.00756	75.62554	13:50:00	D	9.28
941	Mansa	Budhlada	NOAA-20	30.02407	75.67513	13:50:00	D	4.27
942	Mansa	Budhlada	NOAA-20	30.03426	75.66261	13:50:00	D	4.39
943	Mansa	Budhlada	NOAA-20	30.03550	75.67338	13:50:00	D	8.57
944	Mansa	Jhunir	NOAA-20	29.75345	75.40121	13:50:00	D	6.84
945	Mansa	Jhunir	NOAA-20	29.75396	75.39846	13:50:00	D	6.66
946	Mansa	Jhunir	NOAA-20	29.78157	75.34159	13:50:00	D	2.43
947	Mansa	Jhunir	NOAA-20	29.78660	75.31985	13:50:00	D	2.57
948	Mansa	Jhunir	NOAA-20	29.80653	75.29585	13:50:00	D	3.10
949	Mansa	Jhunir	NOAA-20	29.82196	75.42495	13:50:00	D	2.98
950	Mansa	Jhunir	NOAA-20	29.82576	75.36101	13:50:00	D	9.05
951	Mansa	Jhunir	NOAA-20	29.84821	75.38917	13:50:00	D	7.70
952	Mansa	Jhunir	NOAA-20	29.85072	75.40993	13:50:00	D	20.24
953	Mansa	Jhunir	NOAA-20	29.86547	75.30017	13:50:00	D	2.99

954	Mansa	Jhunir	NOAA-20	29.87646	75.36153	13:50:00	D	6.90
955	Mansa	Jhunir	NOAA-20	29.88263	75.38169	13:50:00	D	8.47
956	Mansa	Jhunir	NOAA-20	29.90456	75.34136	13:50:00	D	4.93
957	Mansa	Jhunir	NOAA-20	29.90518	75.34654	13:50:00	D	5.11
958	Mansa	Jhunir	NOAA-20	29.91266	75.34538	13:50:00	D	10.39
959	Mansa	Jhunir	NOAA-20	29.91586	75.27664	13:50:00	D	12.21
960	Mansa	Jhunir	NOAA-20	29.91770	75.29206	13:50:00	D	4.60
961	Mansa	Jhunir	NOAA-20	29.94507	75.29829	13:50:00	D	10.63
962	Mansa	Jhunir	NOAA-20	29.95301	75.22628	13:50:00	D	4.07
963	Mansa	Jhunir	NOAA-20	29.96790	75.22395	13:50:00	D	2.44
964	Mansa	Mansa	NOAA-20	29.88881	75.40190	13:50:00	D	2.31
965	Mansa	Mansa	NOAA-20	29.90381	75.39957	13:50:00	D	2.21
966	Mansa	Mansa	NOAA-20	29.91002	75.41984	13:50:00	D	9.50
967	Mansa	Mansa	NOAA-20	29.91439	75.42448	13:50:00	D	9.50
968	Mansa	Mansa	NOAA-20	29.92000	75.43956	13:50:00	D	11.79
969	Mansa	Mansa	NOAA-20	29.92314	75.43376	13:50:00	D	6.06
970	Mansa	Mansa	NOAA-20	29.92826	75.31665	13:50:00	D	3.69
971	Mansa	Mansa	NOAA-20	29.94130	75.45763	13:50:00	D	3.63
972	Mansa	Mansa	NOAA-20	29.94191	75.46287	13:50:00	D	3.63
973	Mansa	Mansa	NOAA-20	29.94508	75.42507	13:50:00	D	4.58
974	Mansa	Mansa	NOAA-20	29.94759	75.38223	13:50:00	D	4.28
975	Mansa	Mansa	NOAA-20	29.94821	75.35570	13:50:00	D	3.56
976	Mansa	Mansa	NOAA-20	29.96189	75.31144	13:50:00	D	3.12
977	Mansa	Mansa	NOAA-20	29.96321	75.31372	13:50:00	D	4.80
978	Mansa	Mansa	NOAA-20	29.96563	75.31086	13:50:00	D	6.18
979	Mansa	Mansa	NOAA-20	29.97267	75.46351	13:50:00	D	8.31
980	Mansa	Mansa	NOAA-20	29.98421	75.36324	13:50:00	D	4.37
981	Mansa	Mansa	NOAA-20	29.99465	75.42005	13:50:00	D	3.79
982	Mansa	Mansa	NOAA-20	29.99485	75.35631	13:50:00	D	5.50
983	Mansa	Mansa	NOAA-20	29.99692	75.27695	13:50:00	D	5.95
984	Mansa	Mansa	NOAA-20	30.00418	75.37074	13:50:00	D	2.77
985	Mansa	Mansa	NOAA-20	30.01604	75.37421	13:50:00	D	13.60
986	Mansa	Mansa	NOAA-20	30.02178	75.29408	13:50:00	D	30.22

987	Mansa	Mansa	NOAA-20	30.02181	75.26258	13:50:00	D	2.84
988	Mansa	Mansa	NOAA-20	30.04094	75.48786	13:50:00	D	5.49
989	Mansa	Mansa	NOAA-20	30.08357	75.36381	13:50:00	D	4.21
990	Mansa	Mansa	NOAA-20	30.08401	75.36073	13:50:00	D	4.86
991	Mansa	Sardulgarh	NOAA-20	29.58639	75.25731	13:50:00	D	2.25
992	Mansa	Sardulgarh	NOAA-20	29.66391	75.32075	13:50:00	D	2.82
993	Mansa	Sardulgarh	NOAA-20	29.67212	75.26232	13:50:00	D	2.69
994	Mansa	Sardulgarh	NOAA-20	29.71733	75.22942	13:50:00	D	3.66
995	Mansa	Sardulgarh	NOAA-20	29.72041	75.34854	13:50:00	D	5.75
996	Mansa	Sardulgarh	NOAA-20	29.72103	75.35368	13:50:00	D	5.75
997	Mansa	Sardulgarh	NOAA-20	29.74404	75.32398	13:50:00	D	2.97
998	Mansa	Sardulgarh	NOAA-20	29.75338	75.33823	13:50:00	D	11.62
999	Mansa	Sardulgarh	NOAA-20	29.75423	75.33536	13:50:00	D	22.18
1000	Mansa	Sardulgarh	NOAA-20	29.75711	75.33765	13:50:00	D	11.62
1001	Mansa	Sardulgarh	NOAA-20	29.75868	75.30852	13:50:00	D	4.41
1002	Mansa	Sardulgarh	NOAA-20	29.76613	75.30737	13:50:00	D	2.87
1003	Mansa	Sardulgarh	NOAA-20	29.77349	75.33759	13:50:00	D	19.30
1004	Mansa	Sardulgarh	NOAA-20	29.77975	75.32616	13:50:00	D	4.72
1005	Mansa	Sardulgarh	NOAA-20	29.78984	75.25159	13:50:00	D	4.11
1006	Mansa	Sardulgarh	NOAA-20	29.79045	75.25669	13:50:00	D	13.26
1007	Mansa	Sardulgarh	NOAA-20	29.79657	75.30784	13:50:00	D	5.21
1008	Mansa	Sardulgarh	NOAA-20	29.79973	75.27085	13:50:00	D	23.73
1009	Moga	Bagha Purana	NOAA-20	30.49550	75.00314	13:52:00	D	6.18
1010	Moga	Bagha Purana	NOAA-20	30.51894	75.00980	13:52:00	D	4.49
1011	Moga	Bagha Purana	NOAA-20	30.54734	75.02611	13:52:00	D	7.90
1012	Moga	Bagha Purana	NOAA-20	30.56834	75.01241	13:52:00	D	3.44
1013	Moga	Bagha Purana	NOAA-20	30.58762	75.03182	13:52:00	D	9.40
1014	Moga	Bagha Purana	NOAA-20	30.69636	74.97587	13:52:00	D	6.27
1015	Moga	Bagha Purana	NOAA-20	30.71367	74.96271	13:52:00	D	3.60
1016	Moga	Bagha Purana	NOAA-20	30.71428	74.96781	13:52:00	D	3.35
1017	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.88134	75.34387	13:52:00	D	6.07
1018	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.88331	75.26215	13:52:00	D	3.47
1019	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.88893	75.31005	13:52:00	D	5.12

1020	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.89147	75.26630	13:52:00	D	7.84
1021	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.90460	75.15143	13:52:00	D	2.97
1022	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.90894	75.12409	13:52:00	D	8.96
1023	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.90971	75.12182	13:52:00	D	9.06
1024	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.91730	75.35473	13:52:00	D	8.68
1025	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.93723	75.29517	13:52:00	D	3.42
1026	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.95531	75.35238	13:52:00	D	12.28
1027	Moga	Kot Ise Khan At Dharamkot	NOAA-20	30.96289	75.35121	13:52:00	D	5.78
1028	Moga	Kot Ise Khan At Dharamkot	NOAA-20	31.00144	75.31794	13:52:00	D	8.55
1029	Moga	Moga 1	NOAA-20	30.70250	75.26256	13:52:00	D	3.74
1030	Moga	Moga 1	NOAA-20	30.70301	75.17168	13:52:00	D	14.38
1031	Moga	Moga 1	NOAA-20	30.70437	75.17462	13:52:00	D	15.47
1032	Moga	Moga 1	NOAA-20	30.70948	75.35317	13:52:00	D	4.58
1033	Moga	Moga 1	NOAA-20	30.71125	75.16823	13:52:00	D	10.17
1034	Moga	Moga 1	NOAA-20	30.72044	75.38206	13:52:00	D	2.81
1035	Moga	Moga 1	NOAA-20	30.72086	75.38403	13:52:00	D	2.96
1036	Moga	Moga 1	NOAA-20	30.73040	75.23463	13:52:00	D	3.04
1037	Moga	Moga 1	NOAA-20	30.74248	75.14208	13:52:00	D	9.30
1038	Moga	Moga 1	NOAA-20	30.74996	75.14091	13:52:00	D	6.46
1039	Moga	Moga 1	NOAA-20	30.75860	75.21417	13:52:00	D	6.26
1040	Moga	Moga 1	NOAA-20	30.78983	75.38228	13:52:00	D	4.06
1041	Moga	Moga 1	NOAA-20	30.79050	75.19317	13:52:00	D	5.55
1042	Moga	Moga 1	NOAA-20	30.82201	75.36098	13:52:00	D	2.85
1043	Moga	Moga 1	NOAA-20	30.82579	75.36336	13:52:00	D	4.10
1044	Moga	Moga 1	NOAA-20	30.82639	75.36872	13:52:00	D	18.58
1045	Moga	Moga 1	NOAA-20	30.82934	75.25975	13:52:00	D	3.94
1046	Moga	Moga 1	NOAA-20	30.85694	75.26626	13:52:00	D	4.34
1047	Moga	Moga 2	NOAA-20	30.76182	75.11256	13:52:00	D	3.25
1048	Moga	Moga 2	NOAA-20	30.80641	75.02904	13:52:00	D	14.71
1049	Moga	Moga 2	NOAA-20	30.83035	75.13634	13:52:00	D	5.70
1050	Moga	Moga 2	NOAA-20	30.84236	75.04445	13:52:00	D	8.74
1051	Moga	Moga 2	NOAA-20	30.88082	74.98581	13:52:00	D	6.49
1052	Moga	Moga 2	NOAA-20	30.88450	74.95383	13:52:00	D	5.63

1053	Moga	Nihal Singh	NOAA-20	30.52124	75.35324	13:52:00	D	3.72
1054	Moga	Nihal Singh	NOAA-20	30.52958	75.29286	13:52:00	D	19.14
1055	Moga	Nihal Singh	NOAA-20	30.54448	75.35505	13:52:00	D	5.31
1056	Moga	Nihal Singh	NOAA-20	30.54510	75.36034	13:52:00	D	4.73
1057	Moga	Nihal Singh	NOAA-20	30.55011	75.37037	13:52:00	D	5.06
1058	Moga	Nihal Singh	NOAA-20	30.57340	75.33979	13:52:00	D	6.43
1059	Moga	Nihal Singh	NOAA-20	30.58157	75.24738	13:52:00	D	6.82
1060	Moga	Nihal Singh	NOAA-20	30.58848	75.36987	13:52:00	D	6.42
1061	Moga	Nihal Singh	NOAA-20	30.59883	75.19326	13:52:00	D	4.06
1062	Moga	Nihal Singh	NOAA-20	30.60149	75.19107	13:52:00	D	4.46
1063	Moga	Nihal Singh	NOAA-20	30.61551	75.33870	13:52:00	D	16.54
1064	Moga	Nihal Singh	NOAA-20	30.61578	75.34060	13:52:00	D	9.22
1065	Moga	Nihal Singh	NOAA-20	30.63290	75.28945	13:52:00	D	18.69
1066	Moga	Nihal Singh	NOAA-20	30.64111	75.26135	13:52:00	D	2.95
1067	Moga	Nihal Singh	NOAA-20	30.64342	75.34713	13:52:00	D	3.74
1068	Moga	Nihal Singh	NOAA-20	30.64857	75.29240	13:52:00	D	3.96
1069	Moga	Nihal Singh	NOAA-20	30.65238	75.25960	13:52:00	D	6.09
1070	Moga	Nihal Singh	NOAA-20	30.65423	75.27540	13:52:00	D	3.60
1071	Moga	Nihal Singh	NOAA-20	30.66544	75.33833	13:52:00	D	4.56
1072	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.19279	74.62418	13:50:00	D	19.95
1073	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.22832	74.60600	13:50:00	D	3.05
1074	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.24885	74.59280	13:50:00	D	2.59
1075	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.25011	74.54336	13:50:00	D	5.46
1076	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.25071	74.54816	13:50:00	D	2.77
1077	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.25612	74.56206	13:50:00	D	3.23
1078	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.28380	74.51822	13:50:00	D	6.14
1079	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.28445	74.58208	13:50:00	D	11.23
1080	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.29895	74.60938	13:50:00	D	3.52
1081	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.30917	74.57314	13:50:00	D	5.55
1082	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.31014	74.57492	13:50:00	D	8.42
1083	Muktsar	Kot Bhai At Gidderbaha	NOAA-20	30.32336	74.74503	13:50:00	D	16.58
1084	Muktsar	Lambi	NOAA-20	29.99500	74.49307	13:50:00	D	3.15
1085	Muktsar	Lambi	NOAA-20	30.03392	74.51099	13:50:00	D	2.92

1086	Muktsar	Lambi	NOAA-20	30.05428	74.43980	13:50:00	D	3.83
1087	Muktsar	Lambi	NOAA-20	30.09388	74.39153	13:50:00	D	3.57
1088	Muktsar	Malout	NOAA-20	30.18668	74.54642	13:50:00	D	3.24
1089	Muktsar	Malout	NOAA-20	30.19224	74.37267	13:50:00	D	2.54
1090	Muktsar	Malout	NOAA-20	30.27596	74.48522	13:50:00	D	5.18
1091	Muktsar	Malout	NOAA-20	30.28545	74.40266	13:50:00	D	18.60
1092	Muktsar	Malout	NOAA-20	30.28725	74.40061	13:50:00	D	10.23
1093	Muktsar	Malout	NOAA-20	30.28786	74.40536	13:50:00	D	14.28
1094	Muktsar	Malout	NOAA-20	30.28904	74.40207	13:50:00	D	2.91
1095	Muktsar	Malout	NOAA-20	30.30282	74.39494	13:50:00	D	5.16
1096	Muktsar	Malout	NOAA-20	30.30752	74.43308	13:50:00	D	4.03
1097	Muktsar	Malout	NOAA-20	30.36146	74.48289	13:50:00	D	25.01
1098	Muktsar	Muktsar	NOAA-20	30.41432	74.36420	13:52:00	D	3.39
1099	Muktsar	Muktsar	NOAA-20	30.46507	74.59672	13:52:00	D	5.34
1100	Muktsar	Muktsar	NOAA-20	30.46799	74.68115	13:52:00	D	3.67
1101	Muktsar	Muktsar	NOAA-20	30.47837	74.61448	13:52:00	D	5.11
1102	Muktsar	Muktsar	NOAA-20	30.50918	74.40817	13:52:00	D	1.95
1103	Muktsar	Muktsar	NOAA-20	30.55591	74.48898	13:52:00	D	9.89
1104	Muktsar	Muktsar	NOAA-20	30.56132	74.50291	13:52:00	D	2.51
1105	Muktsar	Muktsar	NOAA-20	30.59446	74.47282	13:52:00	D	1.80
1106	Muktsar	Muktsar	NOAA-20	30.59630	74.57664	13:52:00	D	3.45
1107	Muktsar	Muktsar	NOAA-20	30.60895	74.50011	13:52:00	D	1.74
1108	Muktsar	Muktsar	NOAA-20	30.63595	74.53282	13:52:00	D	4.60
1109	Muktsar	Muktsar	NOAA-20	30.65473	74.50491	13:52:00	D	4.17
1110	Muktsar	Muktsar	NOAA-20	30.66376	74.51833	13:52:00	D	4.00
1111	Patiala	Bhunarheri	NOAA-20	30.27715	76.51177	13:50:00	D	4.29
1112	Patiala	Bhunarheri	NOAA-20	30.27974	76.60977	13:50:00	D	4.78
1113	Patiala	Ghanaur	NOAA-20	30.32880	76.52493	13:50:00	D	11.24
1114	Patiala	Ghanaur	NOAA-20	30.33612	76.59377	13:50:00	D	3.07
1115	Patiala	Ghanaur	NOAA-20	30.34015	76.59319	13:50:00	D	5.70
1116	Patiala	Ghanaur	NOAA-20	30.34244	76.57636	13:50:00	D	2.59
1117	Patiala	Ghanaur	NOAA-20	30.34560	76.56768	13:50:00	D	1.42
1118	Patiala	Ghanaur	NOAA-20	30.34781	76.70432	13:50:00	D	3.49

1119	Patiala	Ghanaur	NOAA-20	30.34789	76.55090	13:50:00	D	11.26
1120	Patiala	Ghanaur	NOAA-20	30.34832	76.55495	13:50:00	D	11.26
1121	Patiala	Ghanaur	NOAA-20	30.35592	76.54975	13:50:00	D	3.01
1122	Patiala	Ghanaur	NOAA-20	30.35626	76.59090	13:50:00	D	4.35
1123	Patiala	Ghanaur	NOAA-20	30.35665	76.74925	13:50:00	D	1.85
1124	Patiala	Ghanaur	NOAA-20	30.37420	76.56771	13:50:00	D	1.89
1125	Patiala	Ghanaur	NOAA-20	30.37606	76.51000	13:50:00	D	2.53
1126	Patiala	Ghanaur	NOAA-20	30.37822	76.56714	13:50:00	D	4.46
1127	Patiala	Ghanaur	NOAA-20	30.38452	76.51289	13:50:00	D	30.71
1128	Patiala	Ghanaur	NOAA-20	30.40908	76.58751	13:50:00	D	4.95
1129	Patiala	Nabha	NOAA-20	30.31194	76.18387	13:50:00	D	9.77
1130	Patiala	Nabha	NOAA-20	30.31587	76.18330	13:50:00	D	9.77
1131	Patiala	Nabha	NOAA-20	30.31706	76.23034	13:50:00	D	12.90
1132	Patiala	Nabha	NOAA-20	30.32101	76.22977	13:50:00	D	12.90
1133	Patiala	Nabha	NOAA-20	30.32624	76.24085	13:50:00	D	6.36
1134	Patiala	Nabha	NOAA-20	30.32976	76.09345	13:50:00	D	5.27
1135	Patiala	Nabha	NOAA-20	30.33166	76.14576	13:50:00	D	9.30
1136	Patiala	Nabha	NOAA-20	30.33821	76.13309	13:50:00	D	5.32
1137	Patiala	Nabha	NOAA-20	30.34019	76.11526	13:50:00	D	2.54
1138	Patiala	Nabha	NOAA-20	30.34738	76.07343	13:50:00	D	6.54
1139	Patiala	Nabha	NOAA-20	30.41309	76.12646	13:50:00	D	17.55
1140	Patiala	Nabha	NOAA-20	30.41574	76.11435	13:50:00	D	9.81
1141	Patiala	Nabha	NOAA-20	30.41702	76.12589	13:50:00	D	17.55
1142	Patiala	Nabha	NOAA-20	30.42944	76.12995	13:50:00	D	6.88
1143	Patiala	Nabha	NOAA-20	30.43824	76.31867	13:50:00	D	2.73
1144	Patiala	Nabha	NOAA-20	30.45617	76.26217	13:50:00	D	9.04
1145	Patiala	Patiala	NOAA-20	30.24460	76.18415	13:50:00	D	4.04
1146	Patiala	Patiala	NOAA-20	30.26097	76.18764	13:50:00	D	8.72
1147	Patiala	Patiala	NOAA-20	30.28396	76.21374	13:50:00	D	3.38
1148	Patiala	Patiala	NOAA-20	30.28946	76.23438	13:50:00	D	19.16
1149	Patiala	Patiala	NOAA-20	30.28990	76.23058	13:50:00	D	13.15
1150	Patiala	Patiala	NOAA-20	30.29057	76.23639	13:50:00	D	13.15
1151	Patiala	Patiala	NOAA-20	30.34398	76.25608	13:50:00	D	13.61



1152	Patiala	Patiala	NOAA-20	30.36305	76.31892	13:50:00	D	7.06
1153	Patiala	Patiala	NOAA-20	30.37824	76.27492	13:50:00	D	5.18
1154	Patiala	Patiala	NOAA-20	30.38766	76.43105	13:50:00	D	4.12
1155	Patiala	Patiala	NOAA-20	30.40887	76.38322	13:50:00	D	5.08
1156	Patiala	Patiala	NOAA-20	30.41077	76.38427	13:50:00	D	3.66
1157	Patiala	Patiala	NOAA-20	30.41205	76.35993	13:50:00	D	3.29
1158	Patiala	Patiala	NOAA-20	30.41428	76.35826	13:50:00	D	3.01
1159	Patiala	Patiala	NOAA-20	30.41570	76.33395	13:50:00	D	3.03
1160	Patiala	Patiala	NOAA-20	30.44602	76.38998	13:50:00	D	8.11
1161	Patiala	Patiala	NOAA-20	30.46197	76.38768	13:50:00	D	4.33
1162	Patiala	Patiala	NOAA-20	30.46928	76.38057	13:50:00	D	4.56
1163	Patiala	Patran	NOAA-20	29.88399	76.05845	13:50:00	D	4.01
1164	Patiala	Patran	NOAA-20	29.89891	76.01640	13:50:00	D	4.56
1165	Patiala	Patran	NOAA-20	29.90281	75.94791	13:50:00	D	10.46
1166	Patiala	Patran	NOAA-20	29.90857	76.10060	13:50:00	D	3.17
1167	Patiala	Patran	NOAA-20	29.91377	76.04265	13:50:00	D	4.24
1168	Patiala	Patran	NOAA-20	29.91765	76.00793	13:50:00	D	4.30
1169	Patiala	Patran	NOAA-20	29.92415	76.13284	13:50:00	D	3.40
1170	Patiala	Patran	NOAA-20	29.93899	76.02185	13:50:00	D	5.60
1171	Patiala	Patran	NOAA-20	29.93987	76.01997	13:50:00	D	6.27
1172	Patiala	Patran	NOAA-20	29.94235	76.11864	13:50:00	D	12.27
1173	Patiala	Patran	NOAA-20	29.94691	76.12372	13:50:00	D	2.95
1174	Patiala	Patran	NOAA-20	29.94719	76.12202	13:50:00	D	4.07
1175	Patiala	Patran	NOAA-20	29.96531	76.14245	13:50:00	D	5.88
1176	Patiala	Patran	NOAA-20	29.97364	76.18182	13:50:00	D	2.02
1177	Patiala	Patran	NOAA-20	29.97491	76.19326	13:50:00	D	16.94
1178	Patiala	Patran	NOAA-20	30.00128	76.03941	13:50:00	D	7.43
1179	Patiala	Rajpura	NOAA-20	30.50286	76.57512	13:50:00	D	1.99
1180	Patiala	Rajpura	NOAA-20	30.53880	76.64073	13:50:00	D	3.32
1181	Patiala	Samana	NOAA-20	30.08166	76.15210	13:50:00	D	11.76
1182	Patiala	Samana	NOAA-20	30.16925	76.25646	13:50:00	D	5.31
1183	Patiala	Samana	NOAA-20	30.20995	76.15992	13:50:00	D	9.66
1184	Patiala	Samana	NOAA-20	30.21966	76.21129	13:50:00	D	5.23

1185	Patiala	Samana	NOAA-20	30.22629	76.16337	13:50:00	D	7.63
1186	Patiala	Sanaur	NOAA-20	30.12366	76.38789	13:50:00	D	5.96
1187	Patiala	Sanaur	NOAA-20	30.14425	76.31930	13:50:00	D	5.00
1188	Patiala	Sanaur	NOAA-20	30.15280	76.35976	13:50:00	D	4.61
1189	Patiala	Sanaur	NOAA-20	30.15940	76.38275	13:50:00	D	4.13
1190	Patiala	Sanaur	NOAA-20	30.18447	76.31944	13:50:00	D	8.10
1191	Patiala	Sanaur	NOAA-20	30.28917	76.51007	13:50:00	D	1.51
1192	Patiala	Sanaur	NOAA-20	30.29540	76.52956	13:50:00	D	6.63
1193	Patiala	Sanaur	NOAA-20	30.31320	76.50665	13:50:00	D	4.65
1194	Patiala	Sanaur	NOAA-20	30.31463	76.50652	13:50:00	D	3.16
1195	Patiala	Shambu Kalan	NOAA-20	30.03697	76.14351	13:50:00	D	4.28
1196	Patiala	Shambu Kalan	NOAA-20	30.41761	76.62775	13:50:00	D	4.21
1197	Patiala	Shambu Kalan	NOAA-20	30.48152	76.72012	13:50:00	D	3.73
1198	Patiala	Shambu Kalan	NOAA-20	30.50865	76.66588	13:50:00	D	4.20
1199	Rupnagar	Chamkaur Sahib	NOAA-20	30.84082	76.42408	13:52:00	D	11.30
1200	Rupnagar	Chamkaur Sahib	NOAA-20	30.84619	76.43567	13:52:00	D	1.49
1201	Rupnagar	Chamkaur Sahib	NOAA-20	30.84758	76.43628	13:52:00	D	1.79
1202	Rupnagar	Chamkaur Sahib	NOAA-20	30.85089	76.39053	13:52:00	D	1.99
1203	Rupnagar	Chamkaur Sahib	NOAA-20	30.85619	76.40209	13:52:00	D	6.59
1204	Rupnagar	Chamkaur Sahib	NOAA-20	30.86204	76.38071	13:52:00	D	16.91
1205	Rupnagar	Chamkaur Sahib	NOAA-20	30.88942	76.48412	13:52:00	D	3.57
1206	Rupnagar	Nurpur Bedi	NOAA-20	31.17630	76.50751	13:52:00	D	1.45
1207	Rupnagar	Rupnagar	NOAA-20	31.10958	76.57617	13:52:00	D	6.39
1208	Sangrur	Andana	NOAA-20	29.74606	75.92865	13:50:00	D	3.36
1209	Sangrur	Andana	NOAA-20	29.76278	75.90382	13:50:00	D	7.24
1210	Sangrur	Andana	NOAA-20	29.76848	75.95334	13:50:00	D	9.83
1211	Sangrur	Andana	NOAA-20	29.77875	75.97430	13:50:00	D	5.73
1212	Sangrur	Andana	NOAA-20	29.78449	76.02428	13:50:00	D	4.81
1213	Sangrur	Andana	NOAA-20	29.78841	75.95600	13:50:00	D	40.35
1214	Sangrur	Andana	NOAA-20	29.79290	75.99475	13:50:00	D	5.38
1215	Sangrur	Andana	NOAA-20	29.79609	76.05660	13:50:00	D	5.59
1216	Sangrur	Andana	NOAA-20	29.79804	76.03928	13:50:00	D	5.16
1217	Sangrur	Andana	NOAA-20	29.80384	76.08965	13:50:00	D	17.21

1218	Sangrur	Andana	NOAA-20	29.80772	76.08908	13:50:00	D	17.21
1219	Sangrur	Andana	NOAA-20	29.81017	75.84114	13:50:00	D	2.37
1220	Sangrur	Andana	NOAA-20	29.81867	75.97968	13:50:00	D	7.41
1221	Sangrur	Andana	NOAA-20	29.82721	75.86953	13:50:00	D	3.38
1222	Sangrur	Andana	NOAA-20	29.85763	75.99983	13:50:00	D	3.21
1223	Sangrur	Andana	NOAA-20	29.86718	76.04954	13:50:00	D	14.36
1224	Sangrur	Andana	NOAA-20	29.86924	75.99810	13:50:00	D	6.60
1225	Sangrur	Andana	NOAA-20	29.86980	76.03777	13:50:00	D	6.47
1226	Sangrur	Andana	NOAA-20	29.87106	76.04896	13:50:00	D	14.36
1227	Sangrur	Andana	NOAA-20	29.87577	75.95193	13:50:00	D	18.16
1228	Sangrur	Andana	NOAA-20	29.89247	75.99464	13:50:00	D	6.18
1229	Sangrur	Andana	NOAA-20	29.89957	75.98793	13:50:00	D	7.73
1230	Sangrur	Bhawanigarh	NOAA-20	30.16111	75.97076	13:50:00	D	3.02
1231	Sangrur	Bhawanigarh	NOAA-20	30.16675	76.02143	13:50:00	D	31.70
1232	Sangrur	Bhawanigarh	NOAA-20	30.16813	75.99829	13:50:00	D	18.79
1233	Sangrur	Bhawanigarh	NOAA-20	30.17716	76.00842	13:50:00	D	4.08
1234	Sangrur	Bhawanigarh	NOAA-20	30.17736	75.93985	13:50:00	D	4.34
1235	Sangrur	Bhawanigarh	NOAA-20	30.17799	75.94545	13:50:00	D	16.31
1236	Sangrur	Bhawanigarh	NOAA-20	30.17862	75.95104	13:50:00	D	16.31
1237	Sangrur	Bhawanigarh	NOAA-20	30.17934	75.92251	13:50:00	D	2.85
1238	Sangrur	Bhawanigarh	NOAA-20	30.20639	75.95262	13:50:00	D	20.29
1239	Sangrur	Bhawanigarh	NOAA-20	30.21415	75.95148	13:50:00	D	9.74
1240	Sangrur	Bhawanigarh	NOAA-20	30.21923	76.06555	13:50:00	D	11.01
1241	Sangrur	Bhawanigarh	NOAA-20	30.22384	75.96716	13:50:00	D	11.42
1242	Sangrur	Bhawanigarh	NOAA-20	30.22831	76.11059	13:50:00	D	11.96
1243	Sangrur	Bhawanigarh	NOAA-20	30.22835	76.04111	13:50:00	D	5.80
1244	Sangrur	Bhawanigarh	NOAA-20	30.23160	76.03486	13:50:00	D	6.64
1245	Sangrur	Bhawanigarh	NOAA-20	30.24396	76.10830	13:50:00	D	8.82
1246	Sangrur	Bhawanigarh	NOAA-20	30.24656	76.16627	13:50:00	D	3.94
1247	Sangrur	Bhawanigarh	NOAA-20	30.24779	75.96935	13:50:00	D	12.10
1248	Sangrur	Bhawanigarh	NOAA-20	30.25113	76.10143	13:50:00	D	4.65
1249	Sangrur	Bhawanigarh	NOAA-20	30.25506	76.13580	13:50:00	D	9.93
1250	Sangrur	Bhawanigarh	NOAA-20	30.26463	76.07977	13:50:00	D	10.05

1251	Sangrur	Bhawanigarh	NOAA-20	30.26480	76.08200	13:50:00	D	6.66
1252	Sangrur	Bhawanigarh	NOAA-20	30.26588	76.09120	13:50:00	D	10.64
1253	Sangrur	Bhawanigarh	NOAA-20	30.26814	76.14557	13:50:00	D	11.53
1254	Sangrur	Bhawanigarh	NOAA-20	30.26822	76.14919	13:50:00	D	17.96
1255	Sangrur	Bhawanigarh	NOAA-20	30.28493	76.04782	13:50:00	D	14.17
1256	Sangrur	Bhawanigarh	NOAA-20	30.28566	76.19949	13:50:00	D	2.83
1257	Sangrur	Bhawanigarh	NOAA-20	30.28656	76.20157	13:50:00	D	2.64
1258	Sangrur	Bhawanigarh	NOAA-20	30.30777	76.00406	13:50:00	D	3.85
1259	Sangrur	Bhawanigarh	NOAA-20	30.32915	76.05288	13:50:00	D	6.56
1260	Sangrur	Dhuri	NOAA-20	30.28312	75.71907	13:50:00	D	4.53
1261	Sangrur	Dhuri	NOAA-20	30.28695	75.71849	13:50:00	D	4.53
1262	Sangrur	Dhuri	NOAA-20	30.30660	75.92401	13:50:00	D	8.08
1263	Sangrur	Dhuri	NOAA-20	30.31112	75.92905	13:50:00	D	8.30
1264	Sangrur	Dhuri	NOAA-20	30.31956	75.83128	13:50:00	D	3.50
1265	Sangrur	Dhuri	NOAA-20	30.32855	75.80740	13:50:00	D	2.37
1266	Sangrur	Dhuri	NOAA-20	30.33240	75.80682	13:50:00	D	11.16
1267	Sangrur	Dhuri	NOAA-20	30.33622	75.77254	13:50:00	D	7.22
1268	Sangrur	Dhuri	NOAA-20	30.33799	75.77049	13:50:00	D	7.16
1269	Sangrur	Dhuri	NOAA-20	30.34216	75.95875	13:50:00	D	7.54
1270	Sangrur	Dhuri	NOAA-20	30.34270	75.82783	13:50:00	D	8.01
1271	Sangrur	Dhuri	NOAA-20	30.34410	75.94128	13:50:00	D	37.08
1272	Sangrur	Dhuri	NOAA-20	30.34416	75.82587	13:50:00	D	7.82
1273	Sangrur	Dhuri	NOAA-20	30.36153	75.92155	13:50:00	D	2.44
1274	Sangrur	Dhuri	NOAA-20	30.36481	75.80019	13:50:00	D	6.20
1275	Sangrur	Dhuri	NOAA-20	30.36544	75.80574	13:50:00	D	6.20
1276	Sangrur	Dhuri	NOAA-20	30.38624	75.95629	13:50:00	D	9.74
1277	Sangrur	Dhuri	NOAA-20	30.39086	75.92694	13:50:00	D	3.61
1278	Sangrur	Dhuri	NOAA-20	30.39355	75.88086	13:50:00	D	3.75
1279	Sangrur	Dhuri	NOAA-20	30.41681	75.84328	13:50:00	D	2.50
1280	Sangrur	Dirba	NOAA-20	29.95738	76.00028	13:50:00	D	3.62
1281	Sangrur	Dirba	NOAA-20	29.96451	75.99355	13:50:00	D	5.34
1282	Sangrur	Dirba	NOAA-20	29.96964	76.00414	13:50:00	D	12.05
1283	Sangrur	Dirba	NOAA-20	29.97416	76.00917	13:50:00	D	12.05

1284	Sangrur	Dirba	NOAA-20	29.97740	76.00300	13:50:00	D	6.25
1285	Sangrur	Dirba	NOAA-20	29.98785	75.92219	13:50:00	D	4.01
1286	Sangrur	Dirba	NOAA-20	29.99040	75.94439	13:50:00	D	11.03
1287	Sangrur	Dirba	NOAA-20	30.00072	75.93156	13:50:00	D	2.73
1288	Sangrur	Dirba	NOAA-20	30.01100	76.02082	13:50:00	D	2.83
1289	Sangrur	Dirba	NOAA-20	30.02844	75.96706	13:50:00	D	9.44
1290	Sangrur	Dirba	NOAA-20	30.03688	76.00559	13:50:00	D	2.42
1291	Sangrur	Dirba	NOAA-20	30.03746	76.00316	13:50:00	D	4.47
1292	Sangrur	Dirba	NOAA-20	30.04833	76.03012	13:50:00	D	3.58
1293	Sangrur	Dirba	NOAA-20	30.05437	76.02013	13:50:00	D	6.84
1294	Sangrur	Dirba	NOAA-20	30.05548	76.02333	13:50:00	D	13.10
1295	Sangrur	Dirba	NOAA-20	30.06222	75.94263	13:50:00	D	8.22
1296	Sangrur	Dirba	NOAA-20	30.07671	76.07186	13:50:00	D	1.69
1297	Sangrur	Dirba	NOAA-20	30.08250	76.08829	13:50:00	D	3.52
1298	Sangrur	Dirba	NOAA-20	30.08410	75.96207	13:50:00	D	4.79
1299	Sangrur	Dirba	NOAA-20	30.09504	75.98891	13:50:00	D	10.31
1300	Sangrur	Dirba	NOAA-20	30.10995	75.91287	13:50:00	D	3.63
1301	Sangrur	Dirba	NOAA-20	30.12414	75.96750	13:50:00	D	7.54
1302	Sangrur	Dirba	NOAA-20	30.13244	75.88988	13:50:00	D	8.79
1303	Sangrur	Dirba	NOAA-20	30.13512	75.96017	13:50:00	D	4.08
1304	Sangrur	Dirba	NOAA-20	30.13738	75.93444	13:50:00	D	2.13
1305	Sangrur	Dirba	NOAA-20	30.13955	75.88316	13:50:00	D	5.66
1306	Sangrur	Dirba	NOAA-20	30.14147	75.87995	13:50:00	D	7.81
1307	Sangrur	Dirba	NOAA-20	30.15071	75.98373	13:50:00	D	4.18
1308	Sangrur	Dirba	NOAA-20	30.15487	75.91480	13:50:00	D	7.02
1309	Sangrur	Dirba	NOAA-20	30.15861	75.94833	13:50:00	D	6.92
1310	Sangrur	Lehra Gaga	NOAA-20	29.82609	75.82523	13:50:00	D	32.70
1311	Sangrur	Lehra Gaga	NOAA-20	29.83116	75.83556	13:50:00	D	22.26
1312	Sangrur	Lehra Gaga	NOAA-20	29.83241	75.84648	13:50:00	D	7.71
1313	Sangrur	Lehra Gaga	NOAA-20	29.83438	75.82953	13:50:00	D	9.64
1314	Sangrur	Lehra Gaga	NOAA-20	29.83500	75.83498	13:50:00	D	9.64
1315	Sangrur	Lehra Gaga	NOAA-20	29.84658	75.80000	13:50:00	D	2.96
1316	Sangrur	Lehra Gaga	NOAA-20	29.84713	75.83872	13:50:00	D	6.51

1317	Sangrur	Lehra Gaga	NOAA-20	29.85732	75.85945	13:50:00	D	4.12
1318	Sangrur	Lehra Gaga	NOAA-20	29.85928	75.84246	13:50:00	D	2.30
1319	Sangrur	Lehra Gaga	NOAA-20	29.86053	75.85340	13:50:00	D	8.60
1320	Sangrur	Lehra Gaga	NOAA-20	29.86059	75.82005	13:50:00	D	28.14
1321	Sangrur	Lehra Gaga	NOAA-20	29.86442	75.81947	13:50:00	D	3.23
1322	Sangrur	Lehra Gaga	NOAA-20	29.87142	75.84620	13:50:00	D	8.38
1323	Sangrur	Lehra Gaga	NOAA-20	29.87202	75.88515	13:50:00	D	3.61
1324	Sangrur	Lehra Gaga	NOAA-20	29.87402	75.80141	13:50:00	D	7.12
1325	Sangrur	Lehra Gaga	NOAA-20	29.87529	75.81229	13:50:00	D	5.82
1326	Sangrur	Lehra Gaga	NOAA-20	29.87844	75.87302	13:50:00	D	3.33
1327	Sangrur	Lehra Gaga	NOAA-20	29.88356	75.88344	13:50:00	D	7.60
1328	Sangrur	Lehra Gaga	NOAA-20	29.89188	75.92142	13:50:00	D	9.08
1329	Sangrur	Lehra Gaga	NOAA-20	29.89316	75.76538	13:50:00	D	14.77
1330	Sangrur	Lehra Gaga	NOAA-20	29.89317	75.89879	13:50:00	D	7.89
1331	Sangrur	Lehra Gaga	NOAA-20	29.89382	75.83729	13:50:00	D	14.14
1332	Sangrur	Lehra Gaga	NOAA-20	29.89703	75.89822	13:50:00	D	4.47
1333	Sangrur	Lehra Gaga	NOAA-20	29.90665	75.87999	13:50:00	D	6.59
1334	Sangrur	Lehra Gaga	NOAA-20	29.90762	75.76685	13:50:00	D	2.99
1335	Sangrur	Lehra Gaga	NOAA-20	29.91116	75.91855	13:50:00	D	8.01
1336	Sangrur	Lehra Gaga	NOAA-20	29.91560	75.83775	13:50:00	D	5.22
1337	Sangrur	Lehra Gaga	NOAA-20	29.91693	75.90086	13:50:00	D	6.76
1338	Sangrur	Lehra Gaga	NOAA-20	29.92074	75.86671	13:50:00	D	11.59
1339	Sangrur	Lehra Gaga	NOAA-20	29.92613	75.75854	13:50:00	D	12.07
1340	Sangrur	Lehra Gaga	NOAA-20	29.92774	75.84151	13:50:00	D	10.45
1341	Sangrur	Lehra Gaga	NOAA-20	29.93583	75.70752	13:50:00	D	3.56
1342	Sangrur	Lehra Gaga	NOAA-20	29.93667	75.85132	13:50:00	D	11.03
1343	Sangrur	Lehra Gaga	NOAA-20	29.93723	75.65256	13:50:00	D	4.65
1344	Sangrur	Lehra Gaga	NOAA-20	29.93902	75.70154	13:50:00	D	7.14
1345	Sangrur	Lehra Gaga	NOAA-20	29.93947	75.77312	13:50:00	D	6.44
1346	Sangrur	Lehra Gaga	NOAA-20	29.94077	75.95742	13:50:00	D	7.56
1347	Sangrur	Lehra Gaga	NOAA-20	29.94205	75.76166	13:50:00	D	20.61
1348	Sangrur	Lehra Gaga	NOAA-20	29.94351	75.91192	13:50:00	D	14.17
1349	Sangrur	Lehra Gaga	NOAA-20	29.94401	75.95127	13:50:00	D	7.56

1350	Sangrur	Lehra Gaga	NOAA-20	29.94712	75.77196	13:50:00	D	3.25
1351	Sangrur	Lehra Gaga	NOAA-20	29.95428	75.69924	13:50:00	D	2.94
1352	Sangrur	Lehra Gaga	NOAA-20	29.95455	75.87099	13:50:00	D	7.70
1353	Sangrur	Lehra Gaga	NOAA-20	29.95706	75.89304	13:50:00	D	3.31
1354	Sangrur	Lehra Gaga	NOAA-20	29.95840	75.87041	13:50:00	D	7.70
1355	Sangrur	Lehra Gaga	NOAA-20	29.95980	75.81441	13:50:00	D	1.96
1356	Sangrur	Lehra Gaga	NOAA-20	29.96036	75.85335	13:50:00	D	3.94
1357	Sangrur	Lehra Gaga	NOAA-20	29.96358	75.84730	13:50:00	D	3.94
1358	Sangrur	Lehra Gaga	NOAA-20	29.96364	75.81384	13:50:00	D	31.78
1359	Sangrur	Lehra Gaga	NOAA-20	29.96476	75.89188	13:50:00	D	16.30
1360	Sangrur	Lehra Gaga	NOAA-20	29.96568	75.73051	13:50:00	D	4.01
1361	Sangrur	Lehra Gaga	NOAA-20	29.96616	75.83575	13:50:00	D	6.27
1362	Sangrur	Lehra Gaga	NOAA-20	29.97114	75.91341	13:50:00	D	2.46
1363	Sangrur	Lehra Gaga	NOAA-20	29.97334	75.69637	13:50:00	D	3.30
1364	Sangrur	Lehra Gaga	NOAA-20	29.97506	75.87914	13:50:00	D	8.18
1365	Sangrur	Lehra Gaga	NOAA-20	29.97519	75.77880	13:50:00	D	7.54
1366	Sangrur	Lehra Gaga	NOAA-20	29.97778	75.73420	13:50:00	D	18.66
1367	Sangrur	Lehra Gaga	NOAA-20	29.97966	75.78368	13:50:00	D	7.54
1368	Sangrur	Lehra Gaga	NOAA-20	29.98347	75.81644	13:50:00	D	33.07
1369	Sangrur	Lehra Gaga	NOAA-20	29.98414	75.65637	13:50:00	D	4.26
1370	Sangrur	Lehra Gaga	NOAA-20	29.99370	75.80378	13:50:00	D	5.98
1371	Sangrur	Lehra Gaga	NOAA-20	29.99625	75.85917	13:50:00	D	32.90
1372	Sangrur	Lehra Gaga	NOAA-20	30.00394	75.85802	13:50:00	D	5.63
1373	Sangrur	Lehra Gaga	NOAA-20	30.01291	75.83433	13:50:00	D	16.02
1374	Sangrur	Sangrur	NOAA-20	30.15824	75.60261	13:50:00	D	2.94
1375	Sangrur	Sangrur	NOAA-20	30.16917	75.86745	13:50:00	D	9.08
1376	Sangrur	Sangrur	NOAA-20	30.16980	75.87301	13:50:00	D	9.08
1377	Sangrur	Sangrur	NOAA-20	30.18486	75.56579	13:50:00	D	2.12
1378	Sangrur	Sangrur	NOAA-20	30.18783	75.85902	13:50:00	D	8.69
1379	Sangrur	Sangrur	NOAA-20	30.18928	75.70244	13:50:00	D	15.38
1380	Sangrur	Sangrur	NOAA-20	30.19563	75.59146	13:50:00	D	3.96
1381	Sangrur	Sangrur	NOAA-20	30.20011	75.76190	13:50:00	D	7.63
1382	Sangrur	Sangrur	NOAA-20	30.20201	75.81194	13:50:00	D	4.23

1383	Sangrur	Sangrur	NOAA-20	30.20390	75.86226	13:50:00	D	10.80
1384	Sangrur	Sangrur	NOAA-20	30.20457	75.70013	13:50:00	D	5.23
1385	Sangrur	Sangrur	NOAA-20	30.20840	75.69954	13:50:00	D	5.23
1386	Sangrur	Sangrur	NOAA-20	30.21032	75.71588	13:50:00	D	4.37
1387	Sangrur	Sangrur	NOAA-20	30.21095	75.59753	13:50:00	D	3.66
1388	Sangrur	Sangrur	NOAA-20	30.21225	75.73225	13:50:00	D	59.02
1389	Sangrur	Sangrur	NOAA-20	30.21400	75.62450	13:50:00	D	8.06
1390	Sangrur	Sangrur	NOAA-20	30.22058	75.71741	13:50:00	D	4.35
1391	Sangrur	Sangrur	NOAA-20	30.22062	75.93913	13:50:00	D	16.20
1392	Sangrur	Sangrur	NOAA-20	30.22175	75.59041	13:50:00	D	7.92
1393	Sangrur	Sangrur	NOAA-20	30.22223	75.62873	13:50:00	D	2.74
1394	Sangrur	Sangrur	NOAA-20	30.22245	75.71960	13:50:00	D	4.19
1395	Sangrur	Sangrur	NOAA-20	30.22296	75.62566	13:50:00	D	4.99
1396	Sangrur	Sangrur	NOAA-20	30.22435	75.70269	13:50:00	D	3.81
1397	Sangrur	Sangrur	NOAA-20	30.22817	75.70211	13:50:00	D	12.55
1398	Sangrur	Sangrur	NOAA-20	30.22912	75.65523	13:50:00	D	15.33
1399	Sangrur	Sangrur	NOAA-20	30.23011	75.71845	13:50:00	D	15.76
1400	Sangrur	Sangrur	NOAA-20	30.23206	75.71567	13:50:00	D	14.87
1401	Sangrur	Sangrur	NOAA-20	30.23675	75.90829	13:50:00	D	3.46
1402	Sangrur	Sangrur	NOAA-20	30.23805	75.91946	13:50:00	D	15.87
1403	Sangrur	Sangrur	NOAA-20	30.24343	75.74736	13:50:00	D	10.52
1404	Sangrur	Sangrur	NOAA-20	30.24518	75.94689	13:50:00	D	3.28
1405	Sangrur	Sangrur	NOAA-20	30.24830	75.96696	13:50:00	D	10.95
1406	Sangrur	Sangrur	NOAA-20	30.25484	75.77917	13:50:00	D	4.90
1407	Sangrur	Sher Pur	NOAA-20	30.31631	75.66966	13:50:00	D	14.60
1408	Sangrur	Sher Pur	NOAA-20	30.31698	75.74185	13:50:00	D	11.21
1409	Sangrur	Sher Pur	NOAA-20	30.31953	75.73032	13:50:00	D	4.26
1410	Sangrur	Sher Pur	NOAA-20	30.33872	75.72742	13:50:00	D	3.47
1411	Sangrur	Sher Pur	NOAA-20	30.34656	75.70770	13:50:00	D	4.86
1412	Sangrur	Sher Pur	NOAA-20	30.37011	75.74323	13:50:00	D	10.01
1413	Sangrur	Sher Pur	NOAA-20	30.37144	75.72067	13:50:00	D	3.84
1414	Sangrur	Sher Pur	NOAA-20	30.42133	75.81429	13:50:00	D	5.42
1415	Sangrur	Sher Pur	NOAA-20	30.47813	75.67982	13:50:00	D	3.49



1416	Sangrur	Sher Pur	NOAA-20	30.49204	75.76746	13:50:00	D	3.11
1417	Sangrur	Sher Pur	NOAA-20	30.52543	75.71745	13:52:00	D	1.99
1418	Sangrur	Sunam	NOAA-20	29.99878	75.71451	13:50:00	D	19.21
1419	Sangrur	Sunam	NOAA-20	30.00132	75.70313	13:50:00	D	6.52
1420	Sangrur	Sunam	NOAA-20	30.00303	75.69480	13:50:00	D	19.88
1421	Sangrur	Sunam	NOAA-20	30.00449	75.69716	13:50:00	D	24.65
1422	Sangrur	Sunam	NOAA-20	30.00453	75.73018	13:50:00	D	13.08
1423	Sangrur	Sunam	NOAA-20	30.00684	75.69422	13:50:00	D	19.88
1424	Sangrur	Sunam	NOAA-20	30.00702	75.68578	13:50:00	D	14.87
1425	Sangrur	Sunam	NOAA-20	30.00990	75.72129	13:50:00	D	4.95
1426	Sangrur	Sunam	NOAA-20	30.01033	75.81242	13:50:00	D	2.02
1427	Sangrur	Sunam	NOAA-20	30.01097	75.76537	13:50:00	D	12.40
1428	Sangrur	Sunam	NOAA-20	30.01152	75.72361	13:50:00	D	4.78
1429	Sangrur	Sunam	NOAA-20	30.01221	75.76217	13:50:00	D	34.57
1430	Sangrur	Sunam	NOAA-20	30.01631	75.70929	13:50:00	D	6.47
1431	Sangrur	Sunam	NOAA-20	30.01787	75.71164	13:50:00	D	6.58
1432	Sangrur	Sunam	NOAA-20	30.02060	75.83318	13:50:00	D	10.48
1433	Sangrur	Sunam	NOAA-20	30.02218	75.83046	13:50:00	D	9.23
1434	Sangrur	Sunam	NOAA-20	30.02390	75.92812	13:50:00	D	2.35
1435	Sangrur	Sunam	NOAA-20	30.02569	75.81012	13:50:00	D	5.56
1436	Sangrur	Sunam	NOAA-20	30.02694	75.78768	13:50:00	D	5.90
1437	Sangrur	Sunam	NOAA-20	30.02814	75.77942	13:50:00	D	7.61
1438	Sangrur	Sunam	NOAA-20	30.02972	75.86292	13:50:00	D	12.18
1439	Sangrur	Sunam	NOAA-20	30.02973	75.69074	13:50:00	D	4.19
1440	Sangrur	Sunam	NOAA-20	30.03012	75.76247	13:50:00	D	3.05
1441	Sangrur	Sunam	NOAA-20	30.03154	75.85951	13:50:00	D	15.60
1442	Sangrur	Sunam	NOAA-20	30.03209	75.74555	13:50:00	D	4.54
1443	Sangrur	Sunam	NOAA-20	30.03228	75.93253	13:50:00	D	3.93
1444	Sangrur	Sunam	NOAA-20	30.03322	75.78976	13:50:00	D	6.84
1445	Sangrur	Sunam	NOAA-20	30.03329	75.92997	13:50:00	D	3.74
1446	Sangrur	Sunam	NOAA-20	30.03544	75.89259	13:50:00	D	8.14
1447	Sangrur	Sunam	NOAA-20	30.03667	75.88997	13:50:00	D	8.29
1448	Sangrur	Sunam	NOAA-20	30.04001	75.93137	13:50:00	D	6.28

1449	Sangrur	Sunam	NOAA-20	30.04101	75.92881	13:50:00	D	5.45
1450	Sangrur	Sunam	NOAA-20	30.04128	75.86119	13:50:00	D	7.05
1451	Sangrur	Sunam	NOAA-20	30.04275	75.80504	13:50:00	D	4.06
1452	Sangrur	Sunam	NOAA-20	30.04304	75.70525	13:50:00	D	4.31
1453	Sangrur	Sunam	NOAA-20	30.04400	75.81600	13:50:00	D	9.92
1454	Sangrur	Sunam	NOAA-20	30.04429	75.71609	13:50:00	D	7.44
1455	Sangrur	Sunam	NOAA-20	30.04482	75.75471	13:50:00	D	5.50
1456	Sangrur	Sunam	NOAA-20	30.04513	75.86061	13:50:00	D	3.92
1457	Sangrur	Sunam	NOAA-20	30.05693	75.75842	13:50:00	D	9.05
1458	Sangrur	Sunam	NOAA-20	30.06281	75.67474	13:50:00	D	17.20
1459	Sangrur	Sunam	NOAA-20	30.06711	75.77911	13:50:00	D	21.59
1460	Sangrur	Sunam	NOAA-20	30.07026	75.80649	13:50:00	D	8.57
1461	Sangrur	Sunam	NOAA-20	30.07089	75.81198	13:50:00	D	9.40
1462	Sangrur	Sunam	NOAA-20	30.07202	75.89032	13:50:00	D	7.42
1463	Sangrur	Sunam	NOAA-20	30.07265	75.89585	13:50:00	D	7.42
1464	Sangrur	Sunam	NOAA-20	30.07676	75.72775	13:50:00	D	12.80
1465	Sangrur	Sunam	NOAA-20	30.07805	75.70547	13:50:00	D	10.56
1466	Sangrur	Sunam	NOAA-20	30.08058	75.72717	13:50:00	D	12.80
1467	Sangrur	Sunam	NOAA-20	30.08189	75.63895	13:50:00	D	3.17
1468	Sangrur	Sunam	NOAA-20	30.08248	75.74349	13:50:00	D	5.16
1469	Sangrur	Sunam	NOAA-20	30.08569	75.63837	13:50:00	D	3.17
1470	Sangrur	Sunam	NOAA-20	30.08626	75.80966	13:50:00	D	7.26
1471	Sangrur	Sunam	NOAA-20	30.08824	75.65991	13:50:00	D	5.53
1472	Sangrur	Sunam	NOAA-20	30.09203	75.79207	13:50:00	D	4.84
1473	Sangrur	Sunam	NOAA-20	30.09268	75.66473	13:50:00	D	4.23
1474	Sangrur	Sunam	NOAA-20	30.09326	75.87025	13:50:00	D	3.83
1475	Sangrur	Sunam	NOAA-20	30.09779	75.70801	13:50:00	D	11.82
1476	Sangrur	Sunam	NOAA-20	30.09839	75.88074	13:50:00	D	7.30
1477	Sangrur	Sunam	NOAA-20	30.09907	75.75208	13:50:00	D	3.57
1478	Sangrur	Sunam	NOAA-20	30.10611	75.81229	13:50:00	D	5.08
1479	Sangrur	Sunam	NOAA-20	30.10665	75.65165	13:50:00	D	10.89
1480	Sangrur	Sunam	NOAA-20	30.10671	75.71770	13:50:00	D	4.16
1481	Sangrur	Sunam	NOAA-20	30.11035	75.69226	13:50:00	D	9.01

1482	Sangrur	Sunam	NOAA-20	30.11178	75.69486	13:50:00	D	8.42
1483	Sangrur	Sunam	NOAA-20	30.11185	75.76127	13:50:00	D	11.04
1484	Sangrur	Sunam	NOAA-20	30.11446	75.88398	13:50:00	D	12.38
1485	Sangrur	Sunam	NOAA-20	30.11723	75.71884	13:50:00	D	4.24
1486	Sangrur	Sunam	NOAA-20	30.11813	75.68288	13:50:00	D	9.43
1487	Sangrur	Sunam	NOAA-20	30.11883	75.72141	13:50:00	D	3.77
1488	Sangrur	Sunam	NOAA-20	30.11887	75.75466	13:50:00	D	3.72
1489	Sangrur	Sunam	NOAA-20	30.12119	75.68510	13:50:00	D	5.45
1490	Sangrur	Sunam	NOAA-20	30.12283	75.88837	13:50:00	D	3.67
1491	Sangrur	Sunam	NOAA-20	30.12459	75.73716	13:50:00	D	5.52
1492	Sangrur	Sunam	NOAA-20	30.12524	75.74261	13:50:00	D	5.52
1493	Sangrur	Sunam	NOAA-20	30.12734	75.73949	13:50:00	D	11.15
1494	Sangrur	Sunam	NOAA-20	30.12860	75.87061	13:50:00	D	11.17
1495	Sangrur	Sunam	NOAA-20	30.13054	75.88723	13:50:00	D	8.26
1496	Sangrur	Sunam	NOAA-20	30.13059	75.87322	13:50:00	D	4.57
1497	Sangrur	Sunam	NOAA-20	30.13202	75.67794	13:50:00	D	26.72
1498	Sangrur	Sunam	NOAA-20	30.13246	75.87003	13:50:00	D	4.29
1499	Sangrur	Sunam	NOAA-20	30.13383	75.86710	13:50:00	D	4.78
1500	Sangrur	Sunam	NOAA-20	30.15781	75.80176	13:50:00	D	9.66
1501	Sangrur	Sunam	NOAA-20	30.16181	75.73428	13:50:00	D	3.18
1502	Sangrur	Sunam	NOAA-20	30.16228	75.80668	13:50:00	D	13.38
1503	Sangrur	Sunam	NOAA-20	30.17398	75.70474	13:50:00	D	5.54
1504	Sangrur	Sunam	NOAA-20	30.18096	75.73140	13:50:00	D	3.88
1505	Sangrur	Sunam	AQUA	30.00860	75.74078	13:18:00	D	41.56
1506	SAS Nagar	Derabassi	NOAA-20	30.42667	76.86253	13:50:00	D	2.95
1507	SAS Nagar	Derabassi	NOAA-20	30.49955	76.73446	13:50:00	D	2.54
1508	SAS Nagar	Derabassi	NOAA-20	30.53755	76.77998	13:50:00	D	1.83
1509	SAS Nagar	Kharar	NOAA-20	30.59303	76.68371	13:50:00	D	6.09
1510	SAS Nagar	Kharar	NOAA-20	30.64086	76.66852	13:52:00	D	6.45
1511	SAS Nagar	Kharar	NOAA-20	30.64132	76.67266	13:52:00	D	6.45
1512	SAS Nagar	Kharar	NOAA-20	30.65121	76.65025	13:52:00	D	4.09
1513	SAS Nagar	Kharar	NOAA-20	30.65158	76.65119	13:52:00	D	2.92
1514	SAS Nagar	Kharar	NOAA-20	30.70533	76.57658	13:52:00	D	2.50

1515	SAS Nagar	Kharar	NOAA-20	30.70670	76.55139	13:52:00	D	1.96
1516	SAS Nagar	Kharar	NOAA-20	30.73814	76.61375	13:52:00	D	3.01
1517	SAS Nagar	Majri	NOAA-20	30.55311	76.73579	13:50:00	D	6.07
1518	SAS Nagar	Majri	NOAA-20	30.55336	76.73535	13:50:00	D	4.23
1519	SBS Nagar	Aur	NOAA-20	31.14624	75.92221	13:52:00	D	9.78
1520	SBS Nagar	Balachaur	NOAA-20	31.04578	76.26384	13:52:00	D	2.48
1521	SBS Nagar	Banga	NOAA-20	31.17630	75.87084	13:52:00	D	3.90
1522	SBS Nagar	Banga	NOAA-20	31.21472	75.85933	13:52:00	D	4.42
1523	SBS Nagar	Banga	NOAA-20	31.21476	75.85680	13:52:00	D	3.31
1524	SBS Nagar	Banga	NOAA-20	31.21900	75.93262	13:52:00	D	3.19
1525	SBS Nagar	Banga	NOAA-20	31.21963	75.93845	13:52:00	D	3.19
1526	SBS Nagar	Banga	NOAA-20	31.26473	75.94955	13:52:00	D	6.65
1527	SBS Nagar	Nawan Shahr	NOAA-20	31.05659	76.19397	13:52:00	D	15.58
1528	SBS Nagar	Nawan Shahr	NOAA-20	31.11751	76.19727	13:52:00	D	14.02
1529	SBS Nagar	Saroya	NOAA-20	31.15045	76.25847	13:52:00	D	4.97
1530	Tarn Taran	Bhikhiwind	NOAA-20	31.25740	74.72211	13:52:00	D	2.24
1531	Tarn Taran	Bhikhiwind	NOAA-20	31.28132	74.70276	13:52:00	D	2.26
1532	Tarn Taran	Bhikhiwind	NOAA-20	31.28198	74.73888	13:52:00	D	2.84
1533	Tarn Taran	Bhikhiwind	NOAA-20	31.28304	74.62530	13:52:00	D	4.10
1534	Tarn Taran	Bhikhiwind	NOAA-20	31.28711	74.63255	13:52:00	D	5.38
1535	Tarn Taran	Bhikhiwind	NOAA-20	31.28795	74.63476	13:52:00	D	4.86
1536	Tarn Taran	Bhikhiwind	NOAA-20	31.30291	74.75629	13:52:00	D	4.24
1537	Tarn Taran	Bhikhiwind	NOAA-20	31.31213	74.65420	13:52:00	D	8.25
1538	Tarn Taran	Bhikhiwind	NOAA-20	31.32444	74.60085	13:52:00	D	3.41
1539	Tarn Taran	Bhikhiwind	NOAA-20	31.33056	74.58961	13:52:00	D	8.38
1540	Tarn Taran	Bhikhiwind	NOAA-20	31.33117	74.59463	13:52:00	D	7.88
1541	Tarn Taran	Bhikhiwind	NOAA-20	31.33278	74.76484	13:52:00	D	3.73
1542	Tarn Taran	Bhikhiwind	NOAA-20	31.34094	74.55215	13:52:00	D	6.76
1543	Tarn Taran	Bhikhiwind	NOAA-20	31.35619	74.55477	13:52:00	D	15.69
1544	Tarn Taran	Bhikhiwind	NOAA-20	31.35682	74.71418	13:52:00	D	2.20
1545	Tarn Taran	Bhikhiwind	NOAA-20	31.35984	74.55418	13:52:00	D	9.79
1546	Tarn Taran	Bhikhiwind	NOAA-20	31.36046	74.55919	13:52:00	D	5.62
1547	Tarn Taran	Bhikhiwind	NOAA-20	31.36604	74.75951	13:52:00	D	5.22

1548	Tarn Taran	Bhikhiwind	NOAA-20	31.37394	74.60822	13:52:00	D	6.75
1549	Tarn Taran	Bhikhiwind	NOAA-20	31.39177	74.66197	13:52:00	D	2.54
1550	Tarn Taran	Bhikhiwind	NOAA-20	31.41988	74.62361	13:52:00	D	5.16
1551	Tarn Taran	Chohla Sahib	NOAA-20	31.18976	74.96054	13:52:00	D	6.94
1552	Tarn Taran	Chohla Sahib	NOAA-20	31.21062	74.96515	13:52:00	D	3.72
1553	Tarn Taran	Chohla Sahib	NOAA-20	31.21182	74.97557	13:52:00	D	5.73
1554	Tarn Taran	Chohla Sahib	NOAA-20	31.21273	74.96220	13:52:00	D	5.02
1555	Tarn Taran	Chohla Sahib	NOAA-20	31.21462	74.97780	13:52:00	D	5.48
1556	Tarn Taran	Chohla Sahib	NOAA-20	31.21955	74.95584	13:52:00	D	11.12
1557	Tarn Taran	Chohla Sahib	NOAA-20	31.22019	74.96103	13:52:00	D	5.90
1558	Tarn Taran	Chohla Sahib	NOAA-20	31.22120	74.95817	13:52:00	D	39.93
1559	Tarn Taran	Chohla Sahib	NOAA-20	31.22492	74.95758	13:52:00	D	5.46
1560	Tarn Taran	Chohla Sahib	NOAA-20	31.22865	74.95699	13:52:00	D	5.46
1561	Tarn Taran	Chohla Sahib	NOAA-20	31.23026	75.03653	13:52:00	D	4.79
1562	Tarn Taran	Chohla Sahib	NOAA-20	31.23030	75.04453	13:52:00	D	4.93
1563	Tarn Taran	Chohla Sahib	NOAA-20	31.23086	75.04178	13:52:00	D	4.79
1564	Tarn Taran	Chohla Sahib	NOAA-20	31.23218	75.02020	13:52:00	D	16.58
1565	Tarn Taran	Chohla Sahib	NOAA-20	31.24165	74.97083	13:52:00	D	7.26
1566	Tarn Taran	Chohla Sahib	NOAA-20	31.24269	75.04527	13:52:00	D	4.86
1567	Tarn Taran	Chohla Sahib	NOAA-20	31.24339	75.01843	13:52:00	D	9.81
1568	Tarn Taran	Chohla Sahib	NOAA-20	31.25605	74.89981	13:52:00	D	5.99
1569	Tarn Taran	Chohla Sahib	NOAA-20	31.25976	74.89922	13:52:00	D	5.99
1570	Tarn Taran	Chohla Sahib	NOAA-20	31.26034	74.93609	13:52:00	D	3.55
1571	Tarn Taran	Chohla Sahib	NOAA-20	31.26287	74.89346	13:52:00	D	8.50
1572	Tarn Taran	Chohla Sahib	NOAA-20	31.26889	75.04111	13:52:00	D	8.94
1573	Tarn Taran	Chohla Sahib	NOAA-20	31.27148	74.96611	13:52:00	D	3.88
1574	Tarn Taran	Chohla Sahib	NOAA-20	31.27453	75.02420	13:52:00	D	5.28
1575	Tarn Taran	Chohla Sahib	NOAA-20	31.27768	74.98638	13:52:00	D	6.05
1576	Tarn Taran	Chohla Sahib	NOAA-20	31.29632	74.91981	13:52:00	D	4.03
1577	Tarn Taran	Gandiwind Tatla	NOAA-20	31.41101	74.73908	13:52:00	D	3.27
1578	Tarn Taran	Gandiwind Tatla	NOAA-20	31.43196	74.72527	13:52:00	D	13.14
1579	Tarn Taran	Gandiwind Tatla	NOAA-20	31.43449	74.68328	13:52:00	D	7.43
1580	Tarn Taran	Gandiwind Tatla	NOAA-20	31.43565	74.72468	13:52:00	D	4.31

1581	Tarn Taran	Gandiwind Tatla	NOAA-20	31.43631	74.69856	13:52:00	D	3.38
1582	Tarn Taran	Gandiwind Tatla	NOAA-20	31.47806	74.64002	13:52:00	D	2.57
1583	Tarn Taran	Gandiwind Tatla	NOAA-20	31.48366	74.74829	13:52:00	D	3.15
1584	Tarn Taran	Gandiwind Tatla	NOAA-20	31.52595	74.64033	13:52:00	D	9.74
1585	Tarn Taran	Khadur Sahib	NOAA-20	31.39116	75.16574	13:52:00	D	10.31
1586	Tarn Taran	Khadur Sahib	NOAA-20	31.39497	75.13245	13:52:00	D	3.26
1587	Tarn Taran	Khadur Sahib	NOAA-20	31.43392	75.16991	13:52:00	D	4.21
1588	Tarn Taran	Khadur Sahib	NOAA-20	31.44066	75.03346	13:52:00	D	6.58
1589	Tarn Taran	Khadur Sahib	NOAA-20	31.44101	75.03075	13:52:00	D	6.76
1590	Tarn Taran	Khadur Sahib	NOAA-20	31.44637	75.08108	13:52:00	D	6.33
1591	Tarn Taran	Khadur Sahib	NOAA-20	31.44669	75.01373	13:52:00	D	2.03
1592	Tarn Taran	Khadur Sahib	NOAA-20	31.44707	75.08376	13:52:00	D	3.39
1593	Tarn Taran	Khadur Sahib	NOAA-20	31.46595	75.04836	13:52:00	D	8.79
1594	Tarn Taran	Khadur Sahib	NOAA-20	31.48472	75.04540	13:52:00	D	3.04
1595	Tarn Taran	Khadur Sahib	NOAA-20	31.48877	75.21353	13:52:00	D	11.95
1596	Tarn Taran	Khadur Sahib	NOAA-20	31.48892	75.14782	13:52:00	D	4.61
1597	Tarn Taran	Naushera Pannuan	NOAA-20	31.34438	74.83096	13:52:00	D	13.53
1598	Tarn Taran	Naushera Pannuan	NOAA-20	31.34620	74.84643	13:52:00	D	13.25
1599	Tarn Taran	Naushera Pannuan	NOAA-20	31.34991	74.84583	13:52:00	D	5.43
1600	Tarn Taran	Naushera Pannuan	NOAA-20	31.35140	75.02068	13:52:00	D	3.49
1601	Tarn Taran	Naushera Pannuan	NOAA-20	31.35475	74.91896	13:52:00	D	6.80
1602	Tarn Taran	Naushera Pannuan	NOAA-20	31.35658	74.93456	13:52:00	D	7.94
1603	Tarn Taran	Naushera Pannuan	NOAA-20	31.36660	74.85896	13:52:00	D	5.45
1604	Tarn Taran	Naushera Pannuan	NOAA-20	31.36883	75.03939	13:52:00	D	4.99
1605	Tarn Taran	Naushera Pannuan	NOAA-20	31.37017	74.98563	13:52:00	D	5.67
1606	Tarn Taran	Naushera Pannuan	NOAA-20	31.37894	74.93103	13:52:00	D	5.31
1607	Tarn Taran	Naushera Pannuan	NOAA-20	31.38205	74.92522	13:52:00	D	4.26
1608	Tarn Taran	Naushera Pannuan	NOAA-20	31.39260	74.98211	13:52:00	D	7.69
1609	Tarn Taran	Naushera Pannuan	NOAA-20	31.40817	74.98499	13:52:00	D	5.18
1610	Tarn Taran	Patti	NOAA-20	31.15944	74.86547	13:52:00	D	2.97
1611	Tarn Taran	Patti	NOAA-20	31.16127	74.91239	13:52:00	D	6.73
1612	Tarn Taran	Patti	NOAA-20	31.17300	74.79031	13:52:00	D	2.91
1613	Tarn Taran	Patti	NOAA-20	31.17859	74.86764	13:52:00	D	3.04

1614	Tarn Taran	Patti	NOAA-20	31.19282	74.89157	13:52:00	D	5.19
1615	Tarn Taran	Patti	NOAA-20	31.20399	74.92133	13:52:00	D	3.91
1616	Tarn Taran	Patti	NOAA-20	31.20522	74.91844	13:52:00	D	6.17
1617	Tarn Taran	Patti	NOAA-20	31.20771	74.92074	13:52:00	D	3.91
1618	Tarn Taran	Patti	NOAA-20	31.20987	74.82851	13:52:00	D	2.28
1619	Tarn Taran	Patti	NOAA-20	31.22130	74.92643	13:52:00	D	9.38
1620	Tarn Taran	Patti	NOAA-20	31.22502	74.92583	13:52:00	D	9.38
1621	Tarn Taran	Patti	NOAA-20	31.24069	74.83401	13:52:00	D	3.86
1622	Tarn Taran	Patti	NOAA-20	31.27093	74.80305	13:52:00	D	6.41
1623	Tarn Taran	Patti	NOAA-20	31.30735	74.82339	13:52:00	D	2.41
1624	Tarn Taran	Patti	NOAA-20	31.30995	74.90707	13:52:00	D	4.46
1625	Tarn Taran	Patti	NOAA-20	31.31472	74.83571	13:52:00	D	4.96
1626	Tarn Taran	Patti	NOAA-20	31.31482	74.80427	13:52:00	D	10.75
1627	Tarn Taran	Patti	NOAA-20	31.33386	74.83790	13:52:00	D	3.18
1628	Tarn Taran	Patti	NOAA-20	31.35724	74.90796	13:52:00	D	3.74
1629	Tarn Taran	Tarn Taran	NOAA-20	31.34012	74.79498	13:52:00	D	5.70
1630	Tarn Taran	Tarn Taran	NOAA-20	31.37527	74.80506	13:52:00	D	4.34
1631	Tarn Taran	Tarn Taran	NOAA-20	31.37897	74.80447	13:52:00	D	4.34
1632	Tarn Taran	Tarn Taran	NOAA-20	31.37959	74.80962	13:52:00	D	4.34
1633	Tarn Taran	Tarn Taran	NOAA-20	31.38145	74.82504	13:52:00	D	2.93
1634	Tarn Taran	Tarn Taran	NOAA-20	31.38886	74.82387	13:52:00	D	3.65
1635	Tarn Taran	Tarn Taran	NOAA-20	31.40615	74.81062	13:52:00	D	4.85
1636	Tarn Taran	Tarn Taran	NOAA-20	31.40769	74.80761	13:52:00	D	4.47
1637	Tarn Taran	Tarn Taran	NOAA-20	31.40889	74.81792	13:52:00	D	5.69
1638	Tarn Taran	Tarn Taran	NOAA-20	31.41260	74.81732	13:52:00	D	5.69
1639	Tarn Taran	Tarn Taran	NOAA-20	31.41481	74.81973	13:52:00	D	4.48
1640	Tarn Taran	Tarn Taran	NOAA-20	31.41670	74.83520	13:52:00	D	2.95
1641	Tarn Taran	Tarn Taran	NOAA-20	31.41870	74.83739	13:52:00	D	4.46
1642	Tarn Taran	Tarn Taran	NOAA-20	31.42501	74.99838	13:52:00	D	9.19
1643	Tarn Taran	Tarn Taran	NOAA-20	31.44475	74.80167	13:52:00	D	4.84
1644	Tarn Taran	Tarn Taran	NOAA-20	31.47850	75.02483	13:52:00	D	4.19
1645	Tarn Taran	Tarn Taran	NOAA-20	31.48291	74.99727	13:52:00	D	4.71
1646	Tarn Taran	Tarn Taran	NOAA-20	31.49294	74.88897	13:52:00	D	6.71

1647	Tarn Taran	Tarn Taran	NOAA-20	31.50163	74.86639	13:52:00	D	4.41
1648	Tarn Taran	Tarn Taran	NOAA-20	31.51981	74.84547	13:52:00	D	3.10
1649	Tarn Taran	Valtoha	NOAA-20	31.12400	74.57235	13:52:00	D	6.40
1650	Tarn Taran	Valtoha	NOAA-20	31.13307	74.73978	13:52:00	D	15.36
1651	Tarn Taran	Valtoha	NOAA-20	31.13619	74.64169	13:52:00	D	2.51
1652	Tarn Taran	Valtoha	NOAA-20	31.13980	74.51919	13:52:00	D	2.90
1653	Tarn Taran	Valtoha	NOAA-20	31.16495	74.69344	13:52:00	D	5.60
1654	Tarn Taran	Valtoha	NOAA-20	31.16556	74.69848	13:52:00	D	3.95
1655	Tarn Taran	Valtoha	NOAA-20	31.16800	74.68781	13:52:00	D	4.57
1656	Tarn Taran	Valtoha	NOAA-20	31.17147	74.56686	13:52:00	D	2.85
1657	Tarn Taran	Valtoha	NOAA-20	31.17148	74.56465	13:52:00	D	3.75
1658	Tarn Taran	Valtoha	NOAA-20	31.18711	74.63569	13:52:00	D	3.29
1659	Tarn Taran	Valtoha	NOAA-20	31.19638	74.58823	13:52:00	D	10.41
1660	Tarn Taran	Valtoha	NOAA-20	31.19811	74.63391	13:52:00	D	5.27
1661	Tarn Taran	Valtoha	NOAA-20	31.19878	74.60824	13:52:00	D	3.76
1662	Tarn Taran	Valtoha	NOAA-20	31.20591	74.69942	13:52:00	D	5.16
1663	Tarn Taran	Valtoha	NOAA-20	31.20911	74.63214	13:52:00	D	2.66
1664	Tarn Taran	Valtoha	NOAA-20	31.22127	74.67120	13:52:00	D	6.00
1665	Tarn Taran	Valtoha	NOAA-20	31.23536	74.66377	13:52:00	D	19.95
1666	Tarn Taran	Valtoha	NOAA-20	31.23844	74.53565	13:52:00	D	3.96
1667	Tarn Taran	Valtoha	NOAA-20	31.23904	74.54063	13:52:00	D	3.96
1668	Tarn Taran	Valtoha	NOAA-20	31.26529	74.60258	13:52:00	D	3.07

\* Note: The VIIRS aboard S-NPP reported anomaly



### Details of residue burning events in Haryana on 02-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	AMBALA-II	NOAA-20	30.24902	76.70539	13:50:00	D	1.83
2	AMBALA	AMBALA-II	NOAA-20	30.25820	76.63761	13:50:00	D	2.44
3	AMBALA	AMBALA-II	NOAA-20	30.31832	76.69978	13:50:00	D	1.49
4	AMBALA	BARARA	NOAA-20	30.15930	77.03226	13:50:00	D	5.65
5	AMBALA	BARARA	NOAA-20	30.15974	77.03654	13:50:00	D	5.65
6	AMBALA	BARARA	NOAA-20	30.17846	77.05566	13:50:00	D	5.27
7	AMBALA	BARARA	NOAA-20	30.28257	77.10722	13:50:00	D	1.77
8	FATEHABAD	JAKHAL	NOAA-20	29.73496	75.76416	13:50:00	D	13.88
9	FATEHABAD	RATIA	NOAA-20	29.66364	75.54977	13:50:00	D	6.91
10	FATEHABAD	RATIA	NOAA-20	29.66367	75.54765	13:50:00	D	7.07
11	FATEHABAD	RATIA	NOAA-20	29.66415	75.45939	13:50:00	D	5.81
12	FATEHABAD	RATIA	NOAA-20	29.71763	75.58224	13:50:00	D	6.93
13	FATEHABAD	RATIA	NOAA-20	29.73394	75.62282	13:50:00	D	3.41
14	FATEHABAD	RATIA	NOAA-20	29.74211	75.65946	13:50:00	D	3.80
15	FATEHABAD	RATIA	NOAA-20	29.74654	75.66422	13:50:00	D	1.86
16	FATEHABAD	TOHANA	NOAA-20	29.58266	75.90260	13:50:00	D	7.79
17	FATEHABAD	TOHANA	NOAA-20	29.67575	75.94656	13:50:00	D	2.78
18	HISAR	HANSI-I	NOAA-20	29.15947	75.93156	13:50:00	D	5.77
19	JIND	ALEWA	NOAA-20	29.50274	76.41801	13:50:00	D	5.84
20	JIND	SAFIDON	NOAA-20	29.41990	76.63689	13:50:00	D	2.44
21	JIND	SAFIDON	NOAA-20	29.45451	76.65608	13:50:00	D	3.12
22	JIND	UCHANA	NOAA-20	29.48475	76.08679	13:50:00	D	18.15
23	JIND	UCHANA	NOAA-20	29.48779	76.32091	13:50:00	D	6.44
24	JIND	UCHANA	NOAA-20	29.53088	76.24530	13:50:00	D	5.59
25	KAITHAL	GUHLA	NOAA-20	30.08175	76.29872	13:50:00	D	3.79
26	KAITHAL	GUHLA	NOAA-20	30.08297	76.30073	13:50:00	D	7.58
27	KAITHAL	GUHLA	NOAA-20	30.12153	76.44228	13:50:00	D	7.09
28	KAITHAL	GUHLA	NOAA-20	30.12551	76.44170	13:50:00	D	2.38
29	KAITHAL	KAITHAL	NOAA-20	29.77820	76.24900	13:50:00	D	3.01
30	KAITHAL	KALAYAT	NOAA-20	29.56403	76.29071	13:50:00	D	3.97
31	KAITHAL	PUNDRI	NOAA-20	29.80218	76.61530	13:50:00	D	1.32

32	KAITHAL	SIWAN	NOAA-20	29.96896	76.21161	13:50:00	D	6.43
33	KAITHAL	SIWAN	NOAA-20	29.96923	76.21317	13:50:00	D	3.83
34	KARNAL	ASSANDH	NOAA-20	29.61738	76.55429	13:50:00	D	5.68
35	KARNAL	ASSANDH	NOAA-20	29.64867	76.65349	13:50:00	D	6.66
36	KARNAL	CHIRAO	NOAA-20	29.63729	76.81059	13:50:00	D	7.71
37	KARNAL	GHARAUNDA	NOAA-20	29.49435	77.08904	13:50:00	D	3.47
38	KURUKSHETRA	ISMAILABAD	NOAA-20	30.10017	76.70539	13:50:00	D	2.51
39	KURUKSHETRA	THANESAR	NOAA-20	29.88415	76.80515	13:50:00	D	6.49
40	KURUKSHETRA	THANESAR	NOAA-20	30.03032	76.78182	13:50:00	D	7.60
41	KURUKSHETRA	THANESAR	NOAA-20	30.03075	76.78593	13:50:00	D	3.88
42	ROHTAK	MEHAM	NOAA-20	28.92987	76.38402	13:50:00	D	7.50
43	SIRSA	BARAGUNDA	NOAA-20	29.67909	75.16333	13:50:00	D	3.33
44	SIRSA	BARAGUNDA	NOAA-20	29.74616	75.17051	13:50:00	D	1.80
45	SIRSA	BARAGUNDA	NOAA-20	29.76451	75.22960	13:50:00	D	3.60
46	SIRSA	NATHUSARI CHOPTA	NOAA-20	29.40324	75.16162	13:50:00	D	6.91
47	SIRSA	NATHUSARI CHOPTA	NOAA-20	29.40392	75.15889	13:50:00	D	5.05
48	SONIPAT	MURTHAL	NOAA-20	29.06503	77.08739	13:50:00	D	2.62

### Details of residue burning events in Uttar Pradesh on 02-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	SORAWN	NOAA-20	25.60085	81.90477	13:50:00	D	2.62
2	AURAIYA	BIDHUNA	NOAA-20	26.82793	79.34789	13:50:00	D	3.11
3	BAREILLY	BAHERI	NOAA-20	28.79946	79.53187	13:50:00	D	4.21
4	ETAWAH	BHARTHNA	NOAA-20	26.60734	79.23493	13:50:00	D	5.22
5	ETAWAH	BHARTHNA	NOAA-20	26.67659	79.17839	13:50:00	D	4.70
6	ETAWAH	CHAKARNAGAR	NOAA-20	26.60683	79.22990	13:50:00	D	5.22
7	FATEHPUR	FATEHPUR	NOAA-20	25.96506	80.74548	13:50:00	D	4.67
8	GORAKHPUR	CHAURI CHAURA	NOAA-20	26.70355	83.54923	13:50:00	D	3.52
9	GORAKHPUR	CHAURI CHAURA	NOAA-20	26.70554	83.55051	13:50:00	D	2.72
10	HARDOI	HARDOI	NOAA-20	27.47384	80.00294	13:50:00	D	5.53
11	HARDOI	HARDOI	NOAA-20	27.47394	80.00507	13:50:00	D	3.37
12	HARDOI	SHAHABAD	NOAA-20	27.43624	79.91398	13:50:00	D	5.54
13	HARDOI	SHAHABAD	NOAA-20	27.45473	79.90612	13:50:00	D	7.33
14	HARDOI	SHAHABAD	NOAA-20	27.45550	79.90804	13:50:00	D	9.98
15	HARDOI	SHAHABAD	NOAA-20	27.53279	79.91088	13:50:00	D	6.74
16	HARDOI	SHAHABAD	NOAA-20	27.54232	79.90981	13:50:00	D	7.14
17	HARDOI	SHAHABAD	NOAA-20	27.72766	80.07988	13:50:00	D	4.63
18	HARDOI	SHAHABAD	AQUA	27.44373	79.90098	13:16:00	D	25.98
19	HARDOI	SIWAIJPUR	NOAA-20	27.35410	79.91907	13:50:00	D	7.55
20	HARDOI	SIWAIJPUR	NOAA-20	27.35478	79.91742	13:50:00	D	5.88
21	JHANSI	JHANSI	NOAA-20	25.53695	78.71594	13:50:00	D	4.32
22	JHANSI	MOTH	NOAA-20	25.71772	78.91284	13:50:00	D	6.26
23	JHANSI	MOTH	NOAA-20	25.72209	78.91230	13:50:00	D	6.26
24	JHANSI	MOTH	NOAA-20	25.78802	78.85776	13:50:00	D	1.78
25	JHANSI	MOTH	NOAA-20	25.85652	78.87749	13:50:00	D	3.41
26	JHANSI	MOTH	NOAA-20	25.85730	78.87881	13:50:00	D	2.64
27	JHANSI	MOTH	NOAA-20	25.86300	78.97818	13:50:00	D	7.75
28	JHANSI	MOTH	NOAA-20	25.86341	78.98137	13:50:00	D	12.65
29	JHANSI	MOTH	NOAA-20	25.86349	78.98292	13:50:00	D	8.03
30	KANPUR	GHATAMPUR	NOAA-20	26.26983	80.37897	13:50:00	D	7.34
31	KHERI	MOHMADI	NOAA-20	27.81177	80.45904	13:50:00	D	6.31
32	KHERI	MOHMADI	NOAA-20	27.81310	80.45793	13:50:00	D	4.89

33	LALITPUR	KHAGA	NOAA-20	24.55169	78.71421	13:50:00	D	2.68
34	LUCKNOW	MOHANLAL GANJ	NOAA-20	26.72931	81.14914	13:50:00	D	1.34
35	MAINPURI	KARHAL	NOAA-20	26.98419	79.09583	13:50:00	D	3.95
36	SANTKABIRNAGAR	MEHDAWAL	NOAA-20	26.95825	82.95344	13:50:00	D	1.65
37	SHAMLI	KAIRANA	NOAA-20	29.62156	77.15786	13:50:00	D	3.13

### Details of residue burning events in Rajasthan on 02-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BARAN	CHHABRA	NOAA-20	24.63507	76.91061	13:50:00	D	3.53
2	BARAN	KISHANGUNJ	NOAA-20	25.08467	76.65585	13:50:00	D	1.75
3	BARAN	MANGROL	NOAA-20	25.29405	76.32471	13:50:00	D	5.46
4	BARAN	MANGROL	NOAA-20	25.30585	76.32797	13:50:00	D	1.83
5	BARAN	SHAHBAD	NOAA-20	25.08157	76.97357	13:50:00	D	4.73
6	BARAN	SHAHBAD	NOAA-20	25.13842	76.97413	13:50:00	D	3.09
7	BARAN	SHAHBAD	NOAA-20	25.19244	77.03106	13:50:00	D	9.25
8	BARAN	SHAHBAD	NOAA-20	25.25987	76.99184	13:50:00	D	4.07
9	BUNDI	BUNDI	NOAA-20	25.34912	75.61801	13:50:00	D	4.58
10	BUNDI	BUNDI	NOAA-20	25.35272	75.61746	13:50:00	D	4.58
11	BUNDI	BUNDI	NOAA-20	25.37674	75.80198	13:50:00	D	3.80
12	BUNDI	BUNDI	NOAA-20	25.37794	75.83989	13:50:00	D	3.32
13	BUNDI	BUNDI	NOAA-20	25.42010	75.73023	13:50:00	D	2.13
14	BUNDI	KESHORAIPATAN	NOAA-20	25.28889	75.98610	13:50:00	D	2.80
15	BUNDI	KESHORAIPATAN	NOAA-20	25.30905	75.99757	13:50:00	D	31.02
16	BUNDI	KESHORAIPATAN	NOAA-20	25.33459	75.93748	13:50:00	D	3.26
17	GANGANAGAR	ANAPGARH	NOAA-20	29.24084	73.12122	13:50:00	D	4.66
18	GANGANAGAR	VIJAY NAGAR	AQUA	29.19266	73.48824	14:54:00	D	44.80
19	GANGANAGAR	VIJAY NAGAR	AQUA	29.20089	73.52256	14:54:00	D	59.19
20	HANUMANGARH	TIBI	NOAA-20	29.51040	74.41041	13:50:00	D	2.63
21	HANUMANGARH	TIBI	NOAA-20	29.51817	74.49953	13:50:00	D	1.79
22	HANUMANGARH	TIBI	NOAA-20	29.53365	74.47789	13:50:00	D	7.14
23	HANUMANGARH	TIBI	NOAA-20	29.54394	74.45442	13:50:00	D	1.61
24	HANUMANGARH	TIBI	NOAA-20	29.55050	74.44859	13:50:00	D	1.86
25	HANUMANGARH	TIBI	NOAA-20	29.58722	74.56712	13:50:00	D	3.79
26	HANUMANGARH	TIBI	NOAA-20	29.61237	74.44797	13:50:00	D	2.99
27	HANUMANGARH	TIBI	NOAA-20	29.64525	74.56249	13:50:00	D	5.74
28	HANUMANGARH	TIBI	NOAA-20	29.65871	74.45155	13:50:00	D	16.79
29	KOTA	DIGOD	NOAA-20	25.18627	76.02835	13:50:00	D	7.99
30	KOTA	DIGOD	NOAA-20	25.25706	76.02960	13:50:00	D	5.60

31	KOTA	LADPURA	NOAA-20	25.14853	75.96665	13:50:00	D	2.83
32	KOTA	LADPURA	NOAA-20	25.16556	75.98328	13:50:00	D	1.97
33	KOTA	LADPURA	NOAA-20	25.21492	76.02142	13:50:00	D	2.99
34	KOTA	LADPURA	NOAA-20	25.21753	75.98242	13:50:00	D	3.02
35	KOTA	LADPURA	NOAA-20	25.21870	75.99187	13:50:00	D	14.11
36	KOTA	PIPALDA	NOAA-20	25.48503	76.49876	13:50:00	D	2.40
37	KOTA	SANGOD	NOAA-20	24.98126	76.17170	13:50:00	D	1.61
38	KOTA	SANGOD	NOAA-20	24.99293	76.14562	13:50:00	D	3.06
39	KOTA	SANGOD	NOAA-20	25.01902	76.09053	13:50:00	D	4.26
40	SWAIMADHOPUR	KHANDAR	NOAA-20	25.91583	76.71725	13:50:00	D	5.02

## Details of residue burning events in Madhya Pradesh on 02-Nov-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	NOAA-20	24.55805	77.66337	13:50:00	D	16.25
2	ASHOKNAGAR	ISAGARH	NOAA-20	24.68004	77.89925	13:50:00	D	2.16
3	ASHOKNAGAR	MUNGAOLI	NOAA-20	24.32173	77.94846	13:50:00	D	3.21
4	ASHOKNAGAR	MUNGAOLI	NOAA-20	24.33411	77.87994	13:50:00	D	2.65
5	ASHOKNAGAR	MUNGAOLI	NOAA-20	24.33649	78.11002	13:50:00	D	0.95
6	ASHOKNAGAR	MUNGAOLI	NOAA-20	24.34057	78.10947	13:50:00	D	1.23
7	ASHOKNAGAR	MUNGAOLI	NOAA-20	24.35690	78.10726	13:50:00	D	1.99
8	ASHOKNAGAR	MUNGAOLI	NOAA-20	24.36572	78.04182	13:50:00	D	2.76
9	BHIND	GOHAD	NOAA-20	26.41148	78.35421	13:50:00	D	4.55
10	BHIND	GOHAD	NOAA-20	26.43999	78.34690	13:50:00	D	2.90
11	BHIND	GOHAD	NOAA-20	26.47119	78.39695	13:50:00	D	7.57
12	BHIND	GOHAD	NOAA-20	26.48164	78.41374	13:50:00	D	8.96
13	BHIND	GOHAD	NOAA-20	26.49876	78.41154	13:50:00	D	3.15
14	BHIND	GOHAD	NOAA-20	26.50304	78.41098	13:50:00	D	7.28
15	BHIND	LAHAR	NOAA-20	25.95065	78.88133	13:50:00	D	1.75
16	BHIND	LAHAR	NOAA-20	25.96619	78.81056	13:50:00	D	3.24
17	BHIND	LAHAR	NOAA-20	25.96855	78.87642	13:50:00	D	3.53
18	BHIND	LAHAR	NOAA-20	26.08201	78.81145	13:50:00	D	3.56
19	BHIND	LAHAR	NOAA-20	26.09561	78.90009	13:50:00	D	5.14
20	BHIND	LAHAR	NOAA-20	26.12436	78.87737	13:50:00	D	4.57
21	BHIND	LAHAR	NOAA-20	26.12576	78.84861	13:50:00	D	5.22
22	BHIND	LAHAR	NOAA-20	26.15472	78.91190	13:50:00	D	5.02
23	BHIND	LAHAR	NOAA-20	26.23144	78.96258	13:50:00	D	9.60
24	BHIND	LAHAR	NOAA-20	26.23194	78.96738	13:50:00	D	9.60
25	BHOPAL	HUZUR	NOAA-20	23.16352	77.49494	13:50:00	D	5.43
26	CHHINDWARA	CHAURAI	NOAA-20	22.07565	79.28402	13:48:00	D	2.30
27	DAMOH	JABERA	NOAA-20	23.55797	79.85497	13:50:00	D	3.51
28	DAMOH	TENDUKHERA	NOAA-20	23.46051	79.36677	13:50:00	D	3.67
29	DATIA	BHANDER	NOAA-20	25.97057	78.76780	13:50:00	D	2.55

30	DATIA	DATIA	NOAA-20	25.58496	78.59631	13:50:00	D	2.15
31	DATIA	DATIA	NOAA-20	25.60317	78.57690	13:50:00	D	2.86
32	DATIA	DATIA	NOAA-20	25.60436	78.57583	13:50:00	D	3.83
33	DATIA	DATIA	NOAA-20	25.62549	78.30456	13:50:00	D	2.35
34	DATIA	DATIA	NOAA-20	25.64919	78.52149	13:50:00	D	6.64
35	DATIA	DATIA	NOAA-20	25.66439	78.54195	13:50:00	D	2.90
36	DATIA	DATIA	NOAA-20	25.66488	78.54639	13:50:00	D	2.90
37	DATIA	DATIA	NOAA-20	25.73595	78.69699	13:50:00	D	2.09
38	DATIA	DATIA	NOAA-20	25.78004	78.46078	13:50:00	D	2.12
39	DATIA	SEONDHA	NOAA-20	25.81418	78.54700	13:50:00	D	6.63
40	DATIA	SEONDHA	NOAA-20	25.81545	78.54585	13:50:00	D	5.26
41	DATIA	SEONDHA	NOAA-20	25.81712	78.59991	13:50:00	D	6.92
42	DATIA	SEONDHA	NOAA-20	25.82820	78.62121	13:50:00	D	3.22
43	DATIA	SEONDHA	NOAA-20	25.83888	78.57546	13:50:00	D	5.08
44	DATIA	SEONDHA	NOAA-20	25.85460	78.55988	13:50:00	D	2.48
45	DATIA	SEONDHA	NOAA-20	25.86176	78.58616	13:50:00	D	12.78
46	DATIA	SEONDHA	NOAA-20	25.87130	78.59404	13:50:00	D	3.82
47	DATIA	SEONDHA	NOAA-20	25.87511	78.58901	13:50:00	D	3.82
48	DATIA	SEONDHA	NOAA-20	25.89092	78.61433	13:50:00	D	4.36
49	DATIA	SEONDHA	NOAA-20	25.90088	78.58572	13:50:00	D	5.86
50	DATIA	SEONDHA	NOAA-20	25.92802	78.61133	13:50:00	D	5.04
51	DATIA	SEONDHA	NOAA-20	25.92942	78.62488	13:50:00	D	0.57
52	DATIA	SEONDHA	NOAA-20	25.92950	78.58374	13:50:00	D	4.98
53	DATIA	SEONDHA	NOAA-20	25.93013	78.61391	13:50:00	D	5.17
54	DATIA	SEONDHA	NOAA-20	25.93099	78.55627	13:50:00	D	3.12
55	DATIA	SEONDHA	NOAA-20	25.94003	78.55963	13:50:00	D	3.56
56	DATIA	SEONDHA	NOAA-20	25.94092	78.60966	13:50:00	D	2.61
57	DATIA	SEONDHA	NOAA-20	25.94432	78.55908	13:50:00	D	3.56
58	DATIA	SEONDHA	NOAA-20	25.94729	78.68985	13:50:00	D	3.22
59	DATIA	SEONDHA	NOAA-20	25.94944	78.69138	13:50:00	D	3.69
60	DATIA	SEONDHA	NOAA-20	25.95338	78.56245	13:50:00	D	1.72
61	DATIA	SEONDHA	NOAA-20	26.01406	78.76230	13:50:00	D	7.34
62	DATIA	SEONDHA	NOAA-20	26.01618	78.65977	13:50:00	D	13.08



63	DATIA	SEONDHA	NOAA-20	26.01928	78.72895	13:50:00	D	3.59
64	DATIA	SEONDHA	NOAA-20	26.02312	78.72380	13:50:00	D	8.07
65	DATIA	SEONDHA	NOAA-20	26.02795	78.72785	13:50:00	D	6.43
66	DATIA	SEONDHA	NOAA-20	26.02964	78.66270	13:50:00	D	8.91
67	DATIA	SEONDHA	NOAA-20	26.03396	78.66215	13:50:00	D	8.91
68	DATIA	SEONDHA	NOAA-20	26.03463	78.70840	13:50:00	D	2.07
69	DATIA	SEONDHA	NOAA-20	26.05400	78.75383	13:50:00	D	2.20
70	DATIA	SEONDHA	NOAA-20	26.05521	78.77589	13:50:00	D	1.62
71	DATIA	SEONDHA	NOAA-20	26.05674	78.78979	13:50:00	D	2.43
72	DATIA	SEONDHA	NOAA-20	26.05703	78.75222	13:50:00	D	5.11
73	DATIA	SEONDHA	NOAA-20	26.06852	78.72392	13:50:00	D	6.88
74	DATIA	SEONDHA	NOAA-20	26.06896	78.77069	13:50:00	D	2.16
75	DATIA	SEONDHA	NOAA-20	26.07094	78.70497	13:50:00	D	10.75
76	DATIA	SEONDHA	NOAA-20	26.07475	78.78407	13:50:00	D	5.60
77	DATIA	SEONDHA	NOAA-20	26.07572	78.79337	13:50:00	D	8.26
78	DATIA	SEONDHA	NOAA-20	26.09651	78.73907	13:50:00	D	3.27
79	DATIA	SEONDHA	NOAA-20	26.10580	78.82738	13:50:00	D	3.22
80	DHAR	MANAWAR	NOAA-20	22.10446	75.11201	13:48:00	D	2.35
81	GUNA	ARON	NOAA-20	24.28683	77.48746	13:50:00	D	31.57
82	GUNA	ARON	NOAA-20	24.31216	77.39888	13:50:00	D	16.23
83	GUNA	ARON	NOAA-20	24.33232	77.43474	13:50:00	D	4.26
84	GUNA	ARON	NOAA-20	24.50717	77.46637	13:50:00	D	6.15
85	GUNA	ARON	NOAA-20	24.50787	77.46909	13:50:00	D	5.39
86	GUNA	GUNA	NOAA-20	24.74962	77.12596	13:50:00	D	5.34
87	GUNA	GUNA	NOAA-20	24.85567	77.14607	13:50:00	D	2.08
88	GUNA	GUNA	NOAA-20	24.86730	77.17709	13:50:00	D	6.42
89	GUNA	GUNA	NOAA-20	24.86990	77.13326	13:50:00	D	4.45
90	GUNA	GUNA	NOAA-20	24.89639	77.12403	13:50:00	D	5.15
91	GWALIOR	BHITARWAR	NOAA-20	25.73816	78.16110	13:50:00	D	6.30
92	GWALIOR	BHITARWAR	NOAA-20	25.76625	78.11045	13:50:00	D	3.52
93	GWALIOR	BHITARWAR	NOAA-20	25.76982	78.08926	13:50:00	D	2.20
94	GWALIOR	BHITARWAR	NOAA-20	25.81370	78.10469	13:50:00	D	5.56
95	GWALIOR	BHITARWAR	NOAA-20	25.83879	78.17831	13:50:00	D	3.99

96	GWALIOR	BHITARWAR	NOAA-20	25.88093	78.00785	13:50:00	D	3.64
97	GWALIOR	BHITARWAR	NOAA-20	25.88132	78.05010	13:50:00	D	5.14
98	GWALIOR	BHITARWAR	NOAA-20	25.88230	78.02035	13:50:00	D	4.27
99	GWALIOR	BHITARWAR	NOAA-20	25.91731	78.07073	13:50:00	D	3.01
100	GWALIOR	BHITARWAR	NOAA-20	25.92101	78.10429	13:50:00	D	5.99
101	GWALIOR	BHITARWAR	NOAA-20	25.92512	78.02724	13:50:00	D	4.15
102	GWALIOR	BHITARWAR	NOAA-20	25.93588	78.16232	13:50:00	D	3.66
103	GWALIOR	BHITARWAR	NOAA-20	25.95747	78.05266	13:50:00	D	2.65
104	GWALIOR	BHITARWAR	NOAA-20	25.96447	78.07721	13:50:00	D	3.25
105	GWALIOR	BHITARWAR	NOAA-20	25.98503	78.25970	13:50:00	D	3.80
106	GWALIOR	BHITARWAR	NOAA-20	25.98925	78.25917	13:50:00	D	3.80
107	GWALIOR	DABRA	NOAA-20	25.88865	78.20618	13:50:00	D	3.83
108	GWALIOR	DABRA	NOAA-20	25.88978	78.20724	13:50:00	D	5.23
109	GWALIOR	DABRA	NOAA-20	25.89285	78.20564	13:50:00	D	3.83
110	GWALIOR	DABRA	NOAA-20	25.89397	78.20668	13:50:00	D	3.12
111	GWALIOR	DABRA	NOAA-20	25.90982	78.19591	13:50:00	D	6.23
112	GWALIOR	DABRA	NOAA-20	25.91006	78.35754	13:50:00	D	3.39
113	GWALIOR	DABRA	NOAA-20	25.91042	78.36048	13:50:00	D	3.18
114	GWALIOR	DABRA	NOAA-20	25.92142	78.26381	13:50:00	D	3.64
115	GWALIOR	DABRA	NOAA-20	25.95055	78.45457	13:50:00	D	2.37
116	GWALIOR	DABRA	NOAA-20	25.96828	78.30138	13:50:00	D	4.07
117	GWALIOR	DABRA	NOAA-20	26.01363	78.36169	13:50:00	D	4.98
118	GWALIOR	DABRA	NOAA-20	26.05283	78.29091	13:50:00	D	2.22
119	GWALIOR	GWALIOR	NOAA-20	26.32636	78.12241	13:50:00	D	2.45
120	HOSHANGABAD	BABAI	NOAA-20	22.66892	77.95449	13:48:00	D	5.53
121	HOSHANGABAD	BABAI	NOAA-20	22.67616	77.98141	13:48:00	D	2.54
122	HOSHANGABAD	BABAI	NOAA-20	22.68740	77.97427	13:48:00	D	3.32
123	HOSHANGABAD	BABAI	NOAA-20	22.69656	77.88395	13:48:00	D	6.87
124	HOSHANGABAD	BABAI	NOAA-20	22.70851	77.94901	13:48:00	D	4.51
125	HOSHANGABAD	BABAI	NOAA-20	22.71294	77.85416	13:48:00	D	3.86
126	HOSHANGABAD	BABAI	NOAA-20	22.71628	77.88125	13:48:00	D	3.56
127	HOSHANGABAD	BABAI	NOAA-20	22.72645	77.87186	13:48:00	D	7.96
128	HOSHANGABAD	BABAI	NOAA-20	22.72744	77.87420	13:48:00	D	9.78

129	HOSHANGABAD	BABAI	NOAA-20	22.73039	77.87131	13:48:00	D	7.96
130	HOSHANGABAD	BABAI	NOAA-20	22.73138	77.87365	13:48:00	D	5.39
131	HOSHANGABAD	BABAI	NOAA-20	22.78954	77.86313	13:48:00	D	4.65
132	HOSHANGABAD	BABAI	NOAA-20	22.79481	77.87350	13:48:00	D	1.88
133	HOSHANGABAD	BABAI	NOAA-20	22.82619	77.80291	13:48:00	D	1.35
134	HOSHANGABAD	BABAI	NOAA-20	22.84406	77.82056	13:48:00	D	2.32
135	HOSHANGABAD	BABAI	NOAA-20	22.84462	77.82240	13:48:00	D	2.01
136	HOSHANGABAD	BANKHERI	NOAA-20	22.71857	78.44645	13:48:00	D	12.25
137	HOSHANGABAD	BANKHERI	NOAA-20	22.78749	78.53758	13:48:00	D	1.23
138	HOSHANGABAD	BANKHERI	NOAA-20	22.79222	78.57742	13:48:00	D	2.46
139	HOSHANGABAD	BANKHERI	NOAA-20	22.79998	78.57233	13:48:00	D	8.99
140	HOSHANGABAD	BANKHERI	NOAA-20	22.80298	78.52747	13:48:00	D	1.26
141	HOSHANGABAD	BANKHERI	NOAA-20	22.83657	78.57575	13:48:00	D	5.23
142	HOSHANGABAD	BANKHERI	NOAA-20	22.84389	78.56667	13:48:00	D	5.12
143	HOSHANGABAD	BANKHERI	NOAA-20	22.87677	78.52587	13:48:00	D	2.96
144	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.60201	77.63808	13:48:00	D	3.35
145	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.60293	77.63585	13:48:00	D	3.65
146	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.60656	77.64281	13:48:00	D	2.89
147	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.64435	77.61940	13:48:00	D	9.21
148	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.66115	77.59569	13:48:00	D	7.35
149	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.68648	77.67250	13:48:00	D	3.58
150	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.68730	77.80814	13:48:00	D	4.35
151	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.69056	77.80221	13:48:00	D	9.26
152	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.69113	77.74215	13:48:00	D	2.61
153	HOSHANGABAD	HOSHANGABAD	NOAA-20	22.69708	77.79037	13:48:00	D	5.97
154	HOSHANGABAD	ITARSI	NOAA-20	22.51583	77.70884	13:48:00	D	5.15
155	HOSHANGABAD	ITARSI	NOAA-20	22.55544	77.67661	13:48:00	D	4.14
156	HOSHANGABAD	ITARSI	NOAA-20	22.58221	77.82995	13:48:00	D	3.22
157	HOSHANGABAD	ITARSI	NOAA-20	22.59499	77.67651	13:48:00	D	5.93
158	HOSHANGABAD	ITARSI	NOAA-20	22.59567	77.67435	13:48:00	D	5.43
159	HOSHANGABAD	ITARSI	NOAA-20	22.62338	77.80797	13:48:00	D	5.32
160	HOSHANGABAD	ITARSI	NOAA-20	22.62730	77.80743	13:48:00	D	5.32
161	HOSHANGABAD	ITARSI	NOAA-20	22.63419	77.86493	13:48:00	D	8.33

162	HOSHANGABAD	ITARSI	NOAA-20	22.65054	77.90141	13:48:00	D	3.99
163	HOSHANGABAD	ITARSI	NOAA-20	22.65200	77.78021	13:48:00	D	5.50
164	HOSHANGABAD	ITARSI	NOAA-20	22.65449	77.90088	13:48:00	D	3.85
165	HOSHANGABAD	ITARSI	NOAA-20	22.65592	77.77967	13:48:00	D	5.54
166	HOSHANGABAD	ITARSI	NOAA-20	22.66179	77.79523	13:48:00	D	11.54
167	HOSHANGABAD	ITARSI	NOAA-20	22.66571	77.79469	13:48:00	D	4.34
168	HOSHANGABAD	ITARSI	NOAA-20	22.67485	77.77160	13:48:00	D	8.65
169	HOSHANGABAD	PIPARIYA	NOAA-20	22.67546	78.29463	13:48:00	D	5.41
170	HOSHANGABAD	PIPARIYA	NOAA-20	22.67593	78.29846	13:48:00	D	2.84
171	HOSHANGABAD	PIPARIYA	NOAA-20	22.67631	78.29483	13:48:00	D	5.42
172	HOSHANGABAD	PIPARIYA	NOAA-20	22.68213	78.30963	13:48:00	D	2.36
173	HOSHANGABAD	PIPARIYA	NOAA-20	22.94337	78.38938	13:48:00	D	1.71
174	HOSHANGABAD	SEONI MALWA	NOAA-20	22.37824	77.46146	13:48:00	D	3.78
175	HOSHANGABAD	SEONI MALWA	NOAA-20	22.38207	77.46092	13:48:00	D	3.78
176	HOSHANGABAD	SEONI MALWA	NOAA-20	22.47458	77.30595	13:48:00	D	3.89
177	HOSHANGABAD	SEONI MALWA	NOAA-20	22.49384	77.63445	13:48:00	D	4.09
178	HOSHANGABAD	SEONI MALWA	NOAA-20	22.59663	77.56441	13:48:00	D	2.63
179	HOSHANGABAD	SEONI MALWA	NOAA-20	22.59863	77.56726	13:48:00	D	5.19
180	HOSHANGABAD	SOHAGPUR	NOAA-20	22.73987	78.17427	13:48:00	D	1.54
181	HOSHANGABAD	SOHAGPUR	NOAA-20	22.87663	78.21339	13:48:00	D	1.65
182	JABALPUR	JABALPUR	NOAA-20	23.17964	79.82997	13:48:00	D	7.54
183	JABALPUR	JABALPUR	NOAA-20	23.18175	79.82931	13:48:00	D	8.09
184	JABALPUR	JABALPUR	NOAA-20	23.22707	80.06385	13:48:00	D	8.05
185	JABALPUR	JABALPUR	NOAA-20	23.24007	79.92651	13:48:00	D	9.29
186	JABALPUR	KUNDAM	NOAA-20	23.12747	80.17710	13:48:00	D	10.79
187	JABALPUR	KUNDAM	NOAA-20	23.31302	80.22092	13:50:00	D	5.61
188	JABALPUR	KUNDAM	NOAA-20	23.31370	80.22308	13:48:00	D	3.70
189	JABALPUR	MAJHOULI	NOAA-20	23.50809	79.95895	13:50:00	D	5.07
190	JABALPUR	MAJHOULI	NOAA-20	23.50898	79.95653	13:50:00	D	4.51
191	JABALPUR	PATAN	NOAA-20	23.18759	79.81918	13:48:00	D	5.61
192	JABALPUR	PATAN	NOAA-20	23.19207	79.81863	13:48:00	D	4.03
193	JABALPUR	PATAN	NOAA-20	23.20259	79.83208	13:48:00	D	12.11
194	JABALPUR	PATAN	NOAA-20	23.20997	79.69016	13:48:00	D	2.46

195	JABALPUR	PATAN	NOAA-20	23.22692	79.80460	13:48:00	D	4.88
196	JABALPUR	PATAN	NOAA-20	23.23140	79.80405	13:48:00	D	4.88
197	JABALPUR	PATAN	NOAA-20	23.29096	79.78441	13:50:00	D	8.77
198	JABALPUR	PATAN	NOAA-20	23.31027	79.75274	13:50:00	D	2.32
199	JABALPUR	PATAN	NOAA-20	23.31354	79.82587	13:50:00	D	5.75
200	JABALPUR	SAHPURA	NOAA-20	23.17811	79.81545	13:48:00	D	3.08
201	JABALPUR	SAHPURA	NOAA-20	23.18012	79.81482	13:48:00	D	9.26
202	JABALPUR	SAHPURA	NOAA-20	23.18148	79.76138	13:48:00	D	3.97
203	JABALPUR	SAHPURA	NOAA-20	23.18259	79.81490	13:48:00	D	9.88
204	JABALPUR	SAHPURA	NOAA-20	23.21119	79.53772	13:48:00	D	1.30
205	KATNI	BARBARA	NOAA-20	23.79060	80.50702	13:50:00	D	7.46
206	MORENA	JORA	NOAA-20	26.42356	77.83717	13:50:00	D	3.03
207	NARSHIMAPURA	GADARWARA	NOAA-20	22.78148	78.66446	13:48:00	D	3.61
208	NARSHIMAPURA	GADARWARA	NOAA-20	22.82154	78.75432	13:48:00	D	2.96
209	NARSHIMAPURA	GADARWARA	NOAA-20	22.82444	78.60170	13:48:00	D	9.95
210	NARSHIMAPURA	GADARWARA	NOAA-20	22.89997	78.61635	13:48:00	D	4.13
211	NARSHIMAPURA	GADARWARA	NOAA-20	22.91366	78.59012	13:48:00	D	3.98
212	NARSHIMAPURA	GADARWARA	NOAA-20	22.98278	78.76804	13:48:00	D	2.81
213	NARSHIMAPURA	GOTECAON	NOAA-20	22.88637	79.54626	13:48:00	D	5.91
214	NARSHIMAPURA	GOTECAON	NOAA-20	23.06656	79.43911	13:48:00	D	6.38
215	RAISEN	BAGAMGANJ	NOAA-20	23.53451	78.49532	13:50:00	D	3.14
216	RAISEN	GOHARGANJ	NOAA-20	22.98343	77.62183	13:48:00	D	2.28
217	RAISEN	GOHARGANJ	NOAA-20	23.01340	77.67188	13:48:00	D	4.93
218	RAISEN	GOHARGANJ	NOAA-20	23.01436	77.52079	13:50:00	D	1.59
219	RAISEN	GOHARGANJ	NOAA-20	23.01544	77.51842	13:50:00	D	4.57
220	RAISEN	GOHARGANJ	NOAA-20	23.02634	77.54372	13:50:00	D	5.55
221	RAISEN	GOHARGANJ	NOAA-20	23.04363	77.62221	13:50:00	D	3.92
222	RAISEN	GOHARGANJ	NOAA-20	23.05483	77.51826	13:50:00	D	4.74
223	RAISEN	GOHARGANJ	NOAA-20	23.05667	77.59872	13:50:00	D	5.88
224	RAISEN	GOHARGANJ	NOAA-20	23.05725	77.63655	13:50:00	D	5.02
225	RAISEN	GOHARGANJ	NOAA-20	23.05789	77.64189	13:50:00	D	5.02
226	RAISEN	GOHARGANJ	NOAA-20	23.08258	77.45568	13:50:00	D	6.39
227	RAISEN	RAISEN	NOAA-20	23.42580	77.92123	13:50:00	D	1.22

228	SAGAR	SAGAR	NOAA-20	23.65814	78.78247	13:50:00	D	1.69
229	SAGAR	SAGAR	NOAA-20	23.67097	78.70807	13:50:00	D	6.27
230	SAGAR	SAGAR	NOAA-20	23.67745	78.56829	13:50:00	D	4.51
231	SATNA	R>MPURBAGHLEAN	NOAA-20	24.58455	81.09778	13:50:00	D	3.82
232	SATNA	R>MPURBAGHLEAN	NOAA-20	24.58866	81.09935	13:50:00	D	4.76
233	SATNA	UCHAHAR	NOAA-20	24.55956	80.72587	13:50:00	D	4.84
234	SATNA	UCHAHAR	NOAA-20	24.56100	80.72806	13:50:00	D	5.74
235	SEHORE	BUDHNI	NOAA-20	22.68425	77.51550	13:48:00	D	6.58
236	SEHORE	BUDHNI	NOAA-20	22.68617	77.51266	13:48:00	D	5.28
237	SEHORE	BUDHNI	NOAA-20	22.69281	77.45636	13:48:00	D	2.64
238	SEHORE	BUDHNI	NOAA-20	22.69623	77.58282	13:48:00	D	4.08
239	SEHORE	BUDHNI	NOAA-20	22.70397	77.58171	13:48:00	D	5.56
240	SEHORE	BUDHNI	NOAA-20	22.70748	77.48055	13:48:00	D	16.72
241	SEHORE	BUDHNI	NOAA-20	22.71378	77.53249	13:48:00	D	2.17
242	SEHORE	BUDHNI	NOAA-20	22.74531	77.56520	13:48:00	D	2.01
243	SEHORE	NASRULLAHGANJ	NOAA-20	22.65841	77.38571	13:48:00	D	3.54
244	SEONI	GHANSAUR	NOAA-20	22.41834	79.83940	13:48:00	D	4.03
245	SEONI	KEWLARI	AQUA	22.28354	79.91412	13:16:00	D	45.75
246	SEONI	KEWLARI	AQUA	22.28684	79.91766	13:16:00	D	47.35
247	SEONI	KEWLARI	NOAA-20	22.27911	79.90555	13:48:00	D	4.62
248	SEONI	KEWLARI	NOAA-20	22.27964	79.91029	13:48:00	D	4.62
249	SEONI	KEWLARI	NOAA-20	22.29248	79.90392	13:48:00	D	5.76
250	SEONI	KEWLARI	NOAA-20	22.29512	79.92757	13:48:00	D	5.41
251	SEONI	KEWLARI	NOAA-20	22.32929	79.88179	13:48:00	D	7.86
252	SEONI	KEWLARI	NOAA-20	22.33099	79.88497	13:48:00	D	7.38
253	SEONI	KEWLARI	NOAA-20	22.40553	79.87716	13:48:00	D	4.42
254	SEONI	LAKHNADOU	NOAA-20	22.36578	79.68285	13:48:00	D	4.91
255	SEONI	LAKHNADOU	NOAA-20	22.39744	79.60912	13:48:00	D	4.31
256	SEONI	LAKHNADOU	NOAA-20	22.39778	79.53547	13:48:00	D	2.97
257	SEONI	LAKHNADOU	NOAA-20	22.39833	79.61085	13:48:00	D	3.81
258	SEONI	LAKHNADOU	NOAA-20	22.49260	79.46552	13:48:00	D	2.03
259	SEONI	LAKHNADOU	NOAA-20	22.49312	79.47001	13:48:00	D	2.55
260	SEONI	LAKHNADOU	NOAA-20	22.50919	79.52396	13:48:00	D	3.63

261	SEONI	LAKHNADOU	NOAA-20	22.81089	79.67056	13:48:00	D	8.37
262	SEONI	SEONI	NOAA-20	22.05496	79.41003	13:48:00	D	4.08
263	SEONI	SEONI	NOAA-20	22.08108	79.52777	13:48:00	D	3.05
264	SEONI	SEONI	NOAA-20	22.10759	79.64794	13:48:00	D	7.46
265	SEONI	SEONI	NOAA-20	22.15148	79.45160	13:48:00	D	3.31
266	SEONI	SEONI	NOAA-20	22.16255	79.39645	13:48:00	D	3.26
267	SEONI	SEONI	NOAA-20	22.22625	79.67097	13:48:00	D	3.70
268	SEONI	SEONI	NOAA-20	22.24753	79.82347	13:48:00	D	14.23
269	SEONI	SEONI	NOAA-20	22.25154	79.57996	13:48:00	D	5.12
270	SEONI	SEONI	NOAA-20	22.28995	79.76163	13:48:00	D	7.70
271	SHEOPUR	KARAHAL	AQUA	25.49561	76.72842	13:16:00	D	55.06
272	SHEOPUR	KARAHAL	AQUA	25.49567	76.73242	13:16:00	D	55.86
273	SHEOPUR	KARAHAL	NOAA-20	25.37535	76.86078	13:50:00	D	6.40
274	SHEOPUR	KARAHAL	NOAA-20	25.49232	76.74590	13:50:00	D	4.81
275	SHEOPUR	KARAHAL	NOAA-20	25.49615	76.74535	13:50:00	D	4.81
276	SHEOPUR	KARAHAL	NOAA-20	25.49847	76.74203	13:50:00	D	9.05
277	SHEOPUR	KARAHAL	NOAA-20	25.49933	76.73962	13:50:00	D	4.25
278	SHEOPUR	KARAHAL	NOAA-20	25.50414	76.75710	13:50:00	D	3.83
279	SHEOPUR	KARAHAL	NOAA-20	25.50475	76.76230	13:50:00	D	3.83
280	SHEOPUR	KARAHAL	NOAA-20	25.50572	76.75983	13:50:00	D	6.54
281	SHEOPUR	KARAHAL	NOAA-20	25.50796	76.75653	13:50:00	D	7.98
282	SHEOPUR	KARAHAL	NOAA-20	25.50955	76.75928	13:50:00	D	5.55
283	SHEOPUR	KARAHAL	NOAA-20	25.51042	76.77740	13:50:00	D	4.31
284	SHEOPUR	KARAHAL	NOAA-20	25.56143	76.81259	13:50:00	D	5.24
285	SHEOPUR	KARAHAL	NOAA-20	25.56527	76.81203	13:50:00	D	5.24
286	SHEOPUR	KARAHAL	NOAA-20	25.59192	77.03512	13:50:00	D	1.44
287	SHEOPUR	KARAHAL	NOAA-20	25.64060	77.04481	13:50:00	D	17.57
288	SHEOPUR	SHEOPUR	AQUA	25.54708	76.71341	13:16:00	D	103.15
289	SHEOPUR	SHEOPUR	AQUA	25.54737	76.70573	13:16:00	D	95.02
290	SHEOPUR	SHEOPUR	AQUA	25.56423	76.70836	13:16:00	D	134.86
291	SHEOPUR	SHEOPUR	AQUA	25.56454	76.70076	13:16:00	D	99.48
292	SHEOPUR	SHEOPUR	TERRA	25.66898	76.62885	11:10:00	D	23.71
293	SHEOPUR	SHEOPUR	TERRA	25.67503	76.62375	11:10:00	D	30.57

294	SHEOPUR	SHEOPUR	AQUA	25.76340	76.68606	13:16:00	D	55.52
295	SHEOPUR	SHEOPUR	AQUA	25.77361	76.73057	13:16:00	D	111.56
296	SHEOPUR	SHEOPUR	AQUA	25.77438	76.72250	13:16:00	D	101.76
297	SHEOPUR	SHEOPUR	NOAA-20	25.45678	76.58348	13:50:00	D	3.48
298	SHEOPUR	SHEOPUR	NOAA-20	25.46057	76.58293	13:50:00	D	3.48
299	SHEOPUR	SHEOPUR	NOAA-20	25.49039	76.69878	13:50:00	D	3.00
300	SHEOPUR	SHEOPUR	NOAA-20	25.49342	76.60110	13:50:00	D	17.51
301	SHEOPUR	SHEOPUR	NOAA-20	25.49680	76.69483	13:50:00	D	3.86
302	SHEOPUR	SHEOPUR	NOAA-20	25.49721	76.60054	13:50:00	D	5.18
303	SHEOPUR	SHEOPUR	NOAA-20	25.52917	76.70592	13:50:00	D	25.00
304	SHEOPUR	SHEOPUR	NOAA-20	25.53361	76.71055	13:50:00	D	8.14
305	SHEOPUR	SHEOPUR	NOAA-20	25.53494	76.68929	13:50:00	D	11.06
306	SHEOPUR	SHEOPUR	NOAA-20	25.53743	76.71000	13:50:00	D	8.14
307	SHEOPUR	SHEOPUR	NOAA-20	25.53992	76.73076	13:50:00	D	17.01
308	SHEOPUR	SHEOPUR	NOAA-20	25.54336	76.59895	13:50:00	D	3.34
309	SHEOPUR	SHEOPUR	NOAA-20	25.54444	76.70370	13:50:00	D	14.57
310	SHEOPUR	SHEOPUR	NOAA-20	25.54763	76.69796	13:50:00	D	8.31
311	SHEOPUR	SHEOPUR	NOAA-20	25.54819	76.73486	13:50:00	D	3.70
312	SHEOPUR	SHEOPUR	NOAA-20	25.54825	76.70315	13:50:00	D	8.31
313	SHEOPUR	SHEOPUR	NOAA-20	25.54840	76.60863	13:50:00	D	6.97
314	SHEOPUR	SHEOPUR	NOAA-20	25.54888	76.70833	13:50:00	D	13.88
315	SHEOPUR	SHEOPUR	NOAA-20	25.55037	76.56159	13:50:00	D	2.40
316	SHEOPUR	SHEOPUR	NOAA-20	25.55144	76.69740	13:50:00	D	8.31
317	SHEOPUR	SHEOPUR	NOAA-20	25.55202	76.73431	13:50:00	D	31.48
318	SHEOPUR	SHEOPUR	NOAA-20	25.55207	76.70259	13:50:00	D	8.31
319	SHEOPUR	SHEOPUR	NOAA-20	25.55270	76.70778	13:50:00	D	13.88
320	SHEOPUR	SHEOPUR	NOAA-20	25.55584	76.73376	13:50:00	D	31.48
321	SHEOPUR	SHEOPUR	NOAA-20	25.56156	76.74889	13:50:00	D	12.27
322	SHEOPUR	SHEOPUR	NOAA-20	25.56297	76.60133	13:50:00	D	27.65
323	SHEOPUR	SHEOPUR	NOAA-20	25.56552	76.55939	13:50:00	D	2.32
324	SHEOPUR	SHEOPUR	NOAA-20	25.56930	76.55882	13:50:00	D	3.72
325	SHEOPUR	SHEOPUR	NOAA-20	25.57114	76.73160	13:50:00	D	20.92
326	SHEOPUR	SHEOPUR	NOAA-20	25.57306	76.71545	13:50:00	D	12.09



327	SHEOPUR	SHEOPUR	NOAA-20	25.57309	76.55827	13:50:00	D	3.72
328	SHEOPUR	SHEOPUR	NOAA-20	25.58260	76.66652	13:50:00	D	2.45
329	SHEOPUR	SHEOPUR	NOAA-20	25.58580	76.69248	13:50:00	D	12.32
330	SHEOPUR	SHEOPUR	NOAA-20	25.58806	76.58971	13:50:00	D	7.69
331	SHEOPUR	SHEOPUR	NOAA-20	25.58821	76.55848	13:50:00	D	4.12
332	SHEOPUR	SHEOPUR	NOAA-20	25.58891	76.59234	13:50:00	D	3.93
333	SHEOPUR	SHEOPUR	NOAA-20	25.59206	76.58669	13:50:00	D	3.93
334	SHEOPUR	SHEOPUR	NOAA-20	25.59602	76.74396	13:50:00	D	14.95
335	SHEOPUR	SHEOPUR	NOAA-20	25.60113	76.63486	13:50:00	D	8.02
336	SHEOPUR	SHEOPUR	NOAA-20	25.60162	76.63229	13:50:00	D	4.85
337	SHEOPUR	SHEOPUR	NOAA-20	25.65953	76.60545	13:50:00	D	13.84
338	SHEOPUR	SHEOPUR	NOAA-20	25.66527	76.55764	13:50:00	D	7.87
339	SHEOPUR	SHEOPUR	NOAA-20	25.67411	76.59812	13:50:00	D	3.40
340	SHEOPUR	SHEOPUR	NOAA-20	25.67601	76.58216	13:50:00	D	7.41
341	SHEOPUR	SHEOPUR	NOAA-20	25.67791	76.59756	13:50:00	D	3.40
342	SHEOPUR	SHEOPUR	NOAA-20	25.68234	76.60214	13:50:00	D	13.60
343	SHEOPUR	SHEOPUR	NOAA-20	25.68741	76.61187	13:50:00	D	2.60
344	SHEOPUR	SHEOPUR	NOAA-20	25.68744	76.70693	13:50:00	D	4.49
345	SHEOPUR	SHEOPUR	NOAA-20	25.69122	76.61131	13:50:00	D	2.05
346	SHEOPUR	SHEOPUR	NOAA-20	25.69184	76.58507	13:50:00	D	2.25
347	SHEOPUR	SHEOPUR	NOAA-20	25.70313	76.58642	13:50:00	D	6.33
348	SHEOPUR	SHEOPUR	NOAA-20	25.70387	76.58855	13:50:00	D	13.85
349	SHEOPUR	SHEOPUR	NOAA-20	25.70708	76.61430	13:50:00	D	4.13
350	SHEOPUR	SHEOPUR	NOAA-20	25.70780	76.52836	13:50:00	D	2.78
351	SHEOPUR	SHEOPUR	NOAA-20	25.70846	76.68800	13:50:00	D	16.40
352	SHEOPUR	SHEOPUR	NOAA-20	25.70999	76.61166	13:50:00	D	7.04
353	SHEOPUR	SHEOPUR	NOAA-20	25.71024	76.60860	13:50:00	D	2.02
354	SHEOPUR	SHEOPUR	NOAA-20	25.71095	76.68546	13:50:00	D	48.91
355	SHEOPUR	SHEOPUR	NOAA-20	25.71228	76.68745	13:50:00	D	16.40
356	SHEOPUR	SHEOPUR	NOAA-20	25.71319	76.60595	13:50:00	D	4.50
357	SHEOPUR	SHEOPUR	NOAA-20	25.71380	76.61111	13:50:00	D	4.50
358	SHEOPUR	SHEOPUR	NOAA-20	25.71699	76.60540	13:50:00	D	4.50
359	SHEOPUR	SHEOPUR	NOAA-20	25.72128	76.72864	13:50:00	D	5.50

360	SHEOPUR	SHEOPUR	NOAA-20	25.72413	76.73140	13:50:00	D	3.66
361	SHEOPUR	SHEOPUR	NOAA-20	25.73779	76.64982	13:50:00	D	5.21
362	SHEOPUR	SHEOPUR	NOAA-20	25.74122	76.54953	13:50:00	D	6.06
363	SHEOPUR	SHEOPUR	NOAA-20	25.75005	76.55869	13:50:00	D	12.76
364	SHEOPUR	SHEOPUR	NOAA-20	25.76698	76.69863	13:50:00	D	2.56
365	SHEOPUR	SHEOPUR	NOAA-20	25.76765	76.67197	13:50:00	D	8.42
366	SHEOPUR	SHEOPUR	NOAA-20	25.77075	76.73000	13:50:00	D	1.23
367	SHEOPUR	SHEOPUR	NOAA-20	25.77147	76.67141	13:50:00	D	8.42
368	SHEOPUR	SHEOPUR	NOAA-20	25.77396	76.72424	13:50:00	D	9.38
369	SHEOPUR	SHEOPUR	NOAA-20	25.77459	76.72945	13:50:00	D	9.38
370	SHEOPUR	SHEOPUR	NOAA-20	25.77842	76.72892	13:50:00	D	9.38
371	SHEOPUR	SHEOPUR	NOAA-20	25.78294	76.66975	13:50:00	D	31.84
372	SHEOPUR	SHEOPUR	NOAA-20	25.78803	76.67963	13:50:00	D	5.50
373	SHEOPUR	SHEOPUR	NOAA-20	25.80142	76.69363	13:50:00	D	14.83
374	SHEOPUR	SHEOPUR	NOAA-20	25.80589	76.69833	13:50:00	D	8.24
375	SHEOPUR	SHEOPUR	NOAA-20	25.81733	76.66477	13:50:00	D	5.62
376	SHEOPUR	SHEOPUR	NOAA-20	25.82609	76.61842	13:50:00	D	7.35
377	SHEOPUR	SHEOPUR	NOAA-20	25.84587	76.58925	13:50:00	D	3.67
378	SHEOPUR	SHEOPUR	NOAA-20	25.85085	76.63078	13:50:00	D	13.81
379	SHEOPUR	SHEOPUR	NOAA-20	25.86731	76.67075	13:50:00	D	3.38
380	SHEOPUR	SHEOPUR	NOAA-20	25.87114	76.67020	13:50:00	D	3.38
381	SHEOPUR	SHEOPUR	NOAA-20	25.87551	76.73911	13:50:00	D	2.15
382	SHEOPUR	SHEOPUR	NOAA-20	25.87690	76.65345	13:50:00	D	12.46
383	SHEOPUR	SHEOPUR	NOAA-20	25.88328	76.64194	13:50:00	D	10.12
384	SHIVPURI	KARERA	NOAA-20	25.51963	78.16374	13:50:00	D	1.99
385	SHIVPURI	KOLARAS	NOAA-20	25.28643	77.61179	13:50:00	D	2.75
386	SHIVPURI	NARWAR	NOAA-20	25.52531	78.25228	13:50:00	D	2.15
387	SHIVPURI	NARWAR	NOAA-20	25.66090	78.12873	13:50:00	D	2.62
388	SHIVPURI	NARWAR	NOAA-20	25.67030	78.28586	13:50:00	D	3.64
389	SHIVPURI	NARWAR	NOAA-20	25.67991	78.05431	13:50:00	D	2.94
390	UMARIA	BANDHOGARH	NOAA-20	23.40836	80.98947	13:50:00	D	3.57
391	UMARIA	BANDHOGARH	NOAA-20	23.40983	80.99097	13:48:00	D	5.10
392	VIDESHA	GYARASPUR	NOAA-20	23.69860	77.89433	13:50:00	D	2.48

393	VIDESHA	NATERAN	NOAA-20	23.80740	77.83678	13:50:00	D	4.18
394	VIDESHA	NATERAN	NOAA-20	23.80950	77.83704	13:50:00	D	3.82
395	VIDESHA	SIRANJ	NOAA-20	24.20358	77.49037	13:50:00	D	3.07
396	VIDESHA	SIRANJ	NOAA-20	24.20367	77.49345	13:50:00	D	4.37
397	VIDESHA	SIRANJ	NOAA-20	24.23444	77.48360	13:50:00	D	6.33
398	VIDESHA	VIDESHA	NOAA-20	23.47505	77.92603	13:50:00	D	10.35
399	WEST NIMAR	KHARGON	NOAA-20	21.76640	75.67379	13:48:00	D	1.50
400	WEST NIMAR	KHARGON	NOAA-20	21.83451	75.69355	13:48:00	D	2.49
401	WEST NIMAR	MAHESHWAR	NOAA-20	22.19200	75.88599	13:48:00	D	3.95

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

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

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

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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)

The DASHBOARD for paddy residue burning events is available at weblink: [CREAMS Fire Dashboard](#)

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