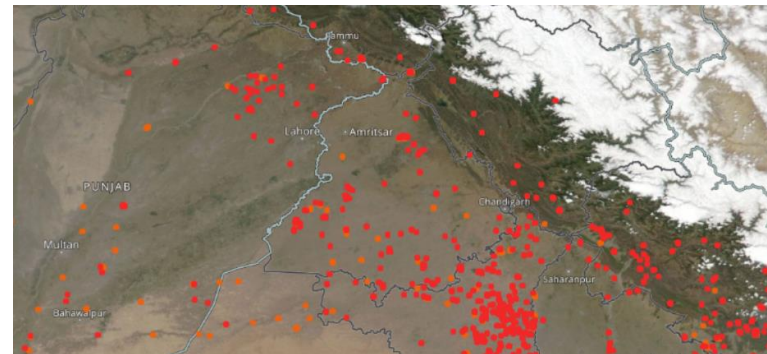


MONITORING WHEAT RESIDUE BURNING IN PUNJAB USING GEOSPATIAL TECHNOLOGIES 2024



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for
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Highlights for 01 May 2024

- The active fire incidents due to wheat residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data" developed on the directions of "Commission for Air Quality Management in National Capital Region and Adjoining Areas".
- Satellites detected 119 incidents in the Punjab State on 01 May 2024.

District-wise Active Fire Events in Punjab

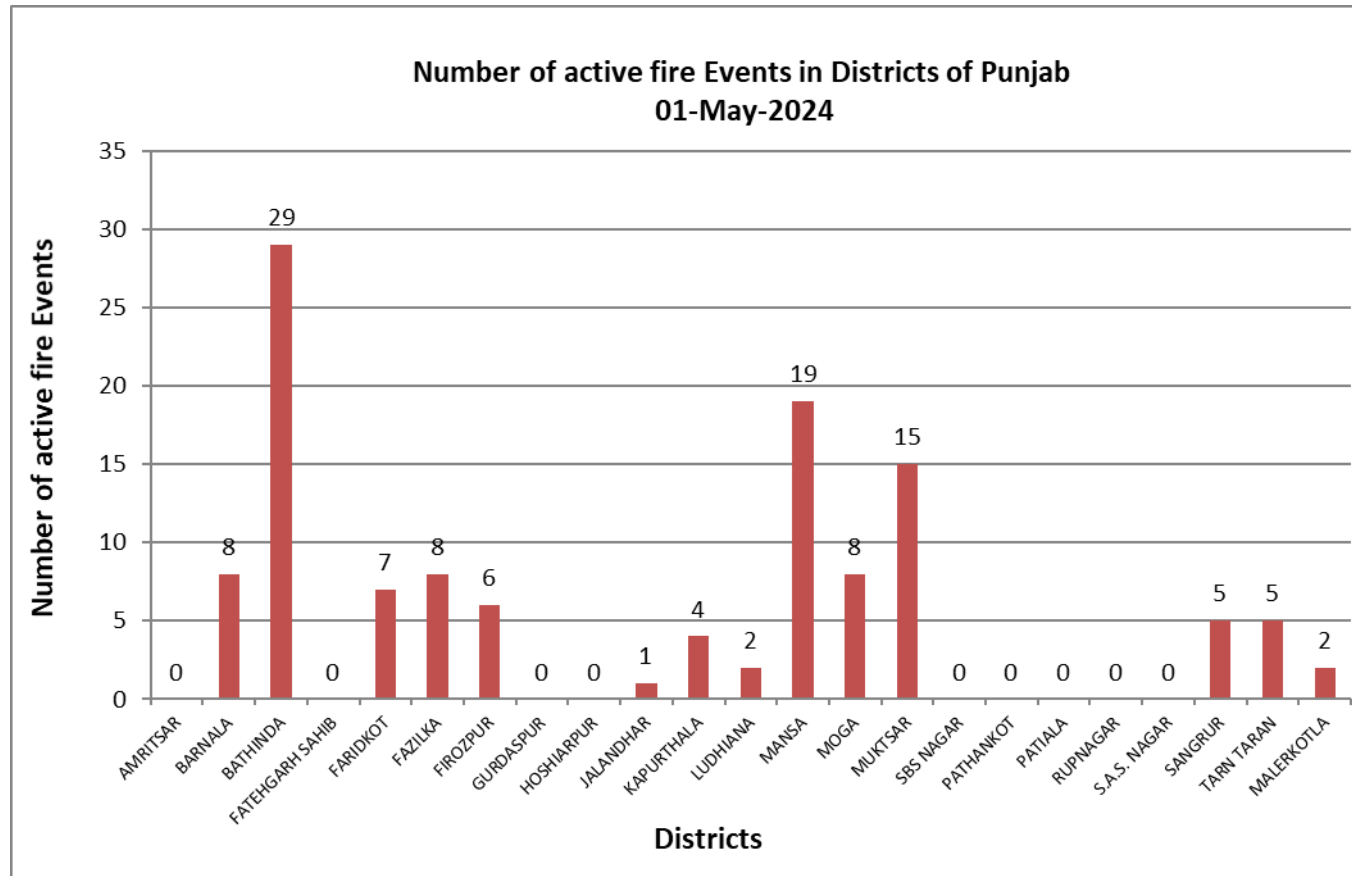


Fig. 1. District-wise fire incidents (Total events = 119) captured by Satellite in Punjab on 01 May 2024

On May, 01 2024, 119 active fire incidents were captured by the Satellite in state of Punjab.

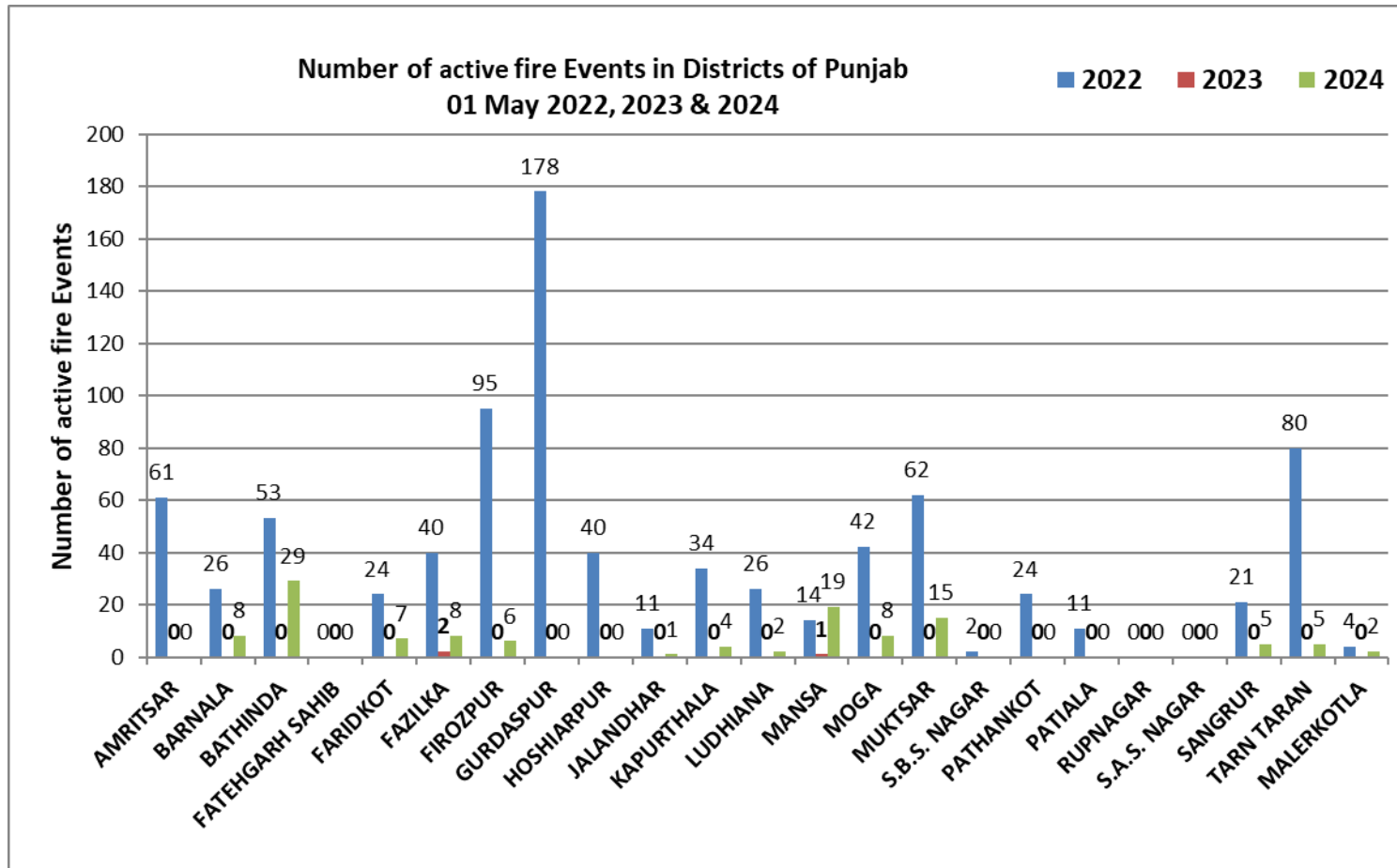


Fig 2 : District-wise comparison of fire incidents captured in Punjab on 01 May 2022, 2023 & 2024

On May, 01 2024, 119 active fire events were captured by the Satellite in state of Punjab. Whereas on the same day (i.e. May 01), in the year 2022, 848 active fire events were captured and in the year 2023 there were 03 active fire events in state of Punjab.

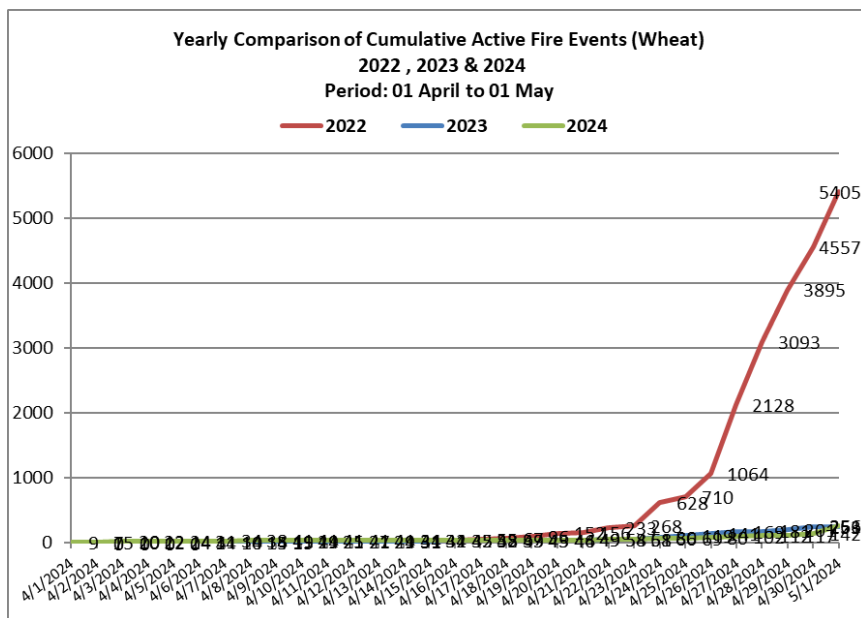


Fig 3 : Cumulative fire incidents captured in Punjab upto 01 May 2022, 2023 & 2024

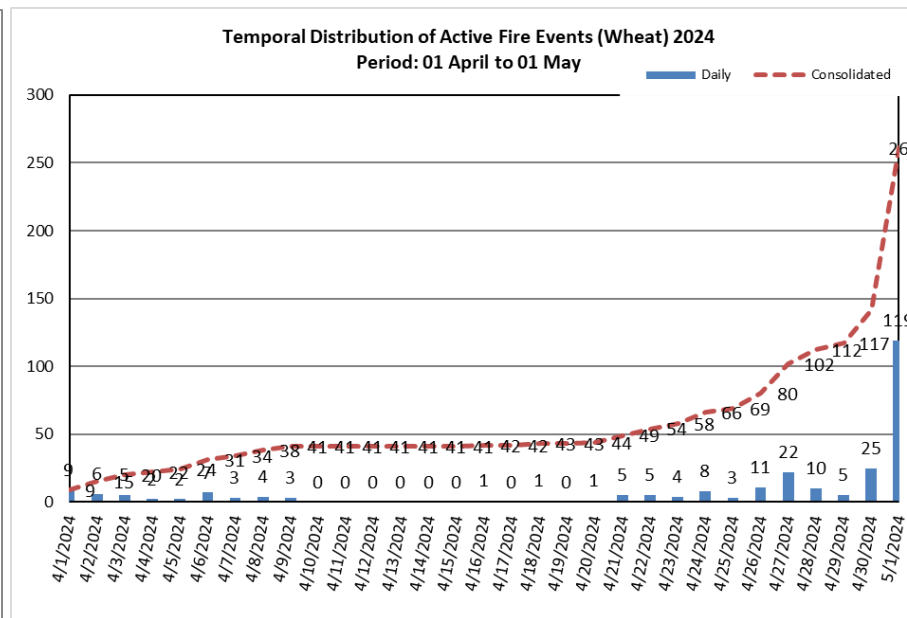
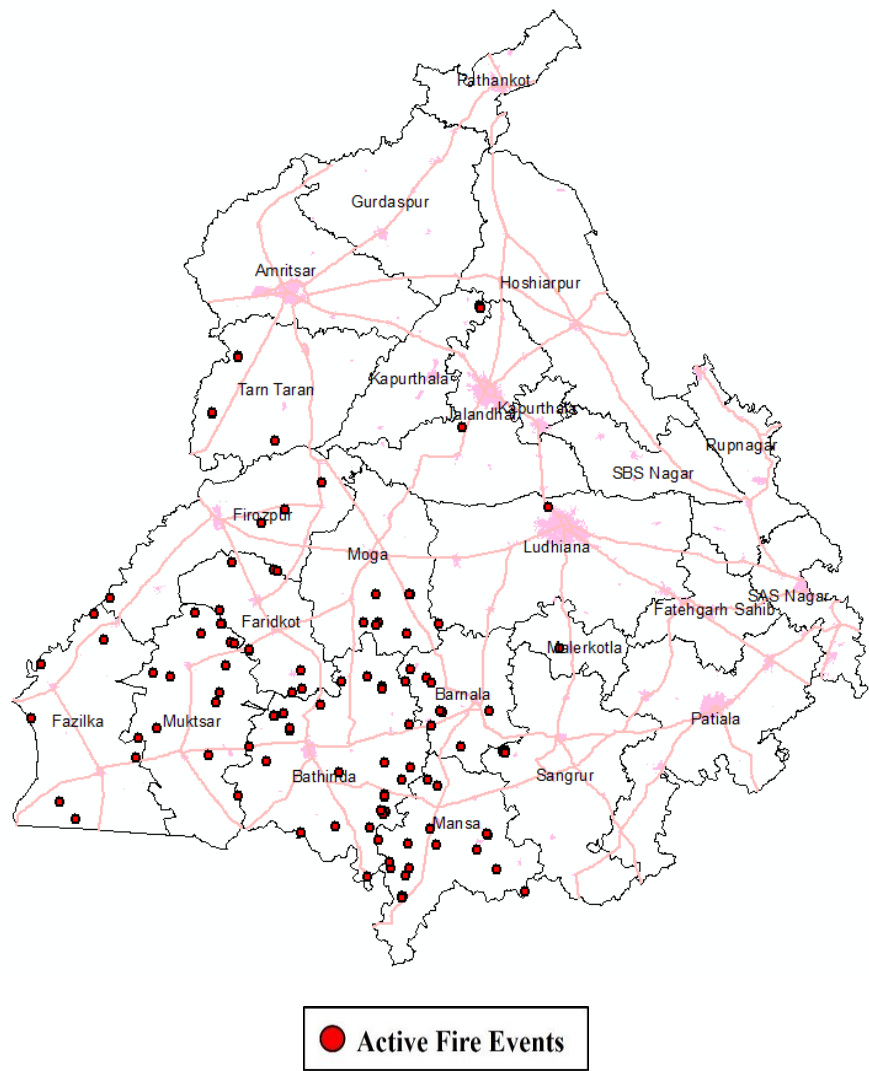


Fig 4: Date-wise Cumulative fire incidents captured in Punjab upto 01 May 2024



Map.1. Active fire locations detected in Punjab on 01 May 2024 by Satellite

Table.1. Active fire locations detected in Punjab on 01 May 2024 by Satellite

S.N.	Latitude	Longitude	Detection_Confidence	Radiative_power (W/m2)	sat	Acq-date	acqtime	District	Tehsil	Block	Village	Hadbast No	Thana
1	30.331610	75.588210	8	3.2	npp	5/1/2024	1:04:13 PM	Barnala	Barnala	Barnala	Pharwahi	52	Sadar Barnala
2	30.462000	75.307000	71	13.3	mod	5/1/2024	10:49:06 AM	Barnala	Barnala	Sehna	Patti Mohar	9	Bhadaur Barnala
3	30.436220	75.362210	8	3.8	npp	5/1/2024	1:04:13 PM	Barnala	Barnala	Sehna	Sehna	438	Sehna Barnala
4	30.422000	75.380000	57	6.3	mod	5/1/2024	10:49:06 AM	Barnala	Barnala	Sehna	Sehna	438	Sehna Barnala
5	30.223760	75.487750	8	10.2	npp	5/1/2024	1:04:13 PM	Barnala	Tapa	Barnala	Dhourkot	74	Rureke Kalan Barnala
6	30.327970	75.420210	8	1.7	npp	5/1/2024	1:04:13 PM	Barnala	Tapa	Sehna	Dhillwanan	50	Tapa Barnala
7	30.332530	75.410810	8	1.3	npp	5/1/2024	1:04:13 PM	Barnala	Tapa	Sehna	Dhillwan Patiala	65	Tapa Barnala
8	30.285780	75.381970	8	2.9	npp	5/1/2024	1:04:13 PM	Barnala	Tapa	Sehna	Tappa	64	Tapa Barnala
9	30.177940	74.790100	8	5.6	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Bathinda	Chugh e Kalan	79	Nandgarh Bathinda
10	30.271000	74.874000	64	7.6	mod	5/1/2024	10:49:06 AM	Bathinda	Bathinda	Bathinda	Deon	177	Sadar Bathinda
11	30.221580	74.730560	8	4.3	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Bathinda	Karam Garh	78	Sadar Bathinda
12	30.316670	74.821830	8	7.8	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Goniana Mandi	Ablu	174	Nehianwala Bathinda
13	30.318340	74.819070	8	3.9	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Goniana Mandi	Ablu	174	Nehianwala Bathinda

14	30.353720	74.986920	8	12.5	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Goniana Mandi	Jandanwala	155	Nehianwala Bathinda
15	30.354280	74.984450	8	16.5	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Goniana Mandi	Jeeda	153	Nehianwala Bathinda
16	30.280000	74.876000	80	19.2	mod	5/1/2024	10:49:06 AM	Bathinda	Bathinda	Goniana Mandi	Mehma Sarja	168	Nehianwala Bathinda
17	30.327460	74.852790	8	3.1	npp	5/1/2024	1:04:13 PM	Bathinda	Bathinda	Goniana Mandi	Mehma Sewai	169	Nehianwala Bathinda
18	30.142000	75.051000	60	7.8	mod	5/1/2024	10:49:06 AM	Bathinda	Bathinda	Nathana	Tungwali	208	Cantt Bathinda
19	30.440000	75.151000	70	11.7	mod	5/1/2024	10:49:06 AM	Bathinda	Rampura Phul	Bhagta Bhai Ka	Gumti Kalan	33	Dialpura Bathinda
20	30.426470	75.061420	8	1.8	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Bhagta Bhai Ka	Maluka	5	Dialpura Bathinda
21	30.425250	75.288140	8	6.8	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Phul	Ghanda Bana	441	Phul Bathinda
22	30.408190	75.205780	8	2.9	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Phul	Selbrah	34	Dialpura Bathinda
23	30.404060	75.206890	8	2.8	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Phul	Selbrah	34	Dialpura Bathinda
24	30.291500	75.303150	8	4.5	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Rampura	Kararwala	44	Sadar Rampura Bathinda
25	30.156930	75.306470	8	1.9	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Rampura	Pirkote	451	Sadar Rampura Bathinda

26	30.173300	75.215420	8	2.0	npp	5/1/2024	1:04:13 PM	Bathinda	Rampura Phul	Rampura	Ram Nivas	4	Baliawali Bathinda
27	30.120000	75.274990	8	11.2	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Kuttiwal Khurd	67	Maur Bathinda
28	30.071850	75.212770	8	2.5	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Maur Khurd	13	Maur Bathinda
29	30.067700	75.213890	8	2.5	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Maur Khurd	13	Maur Bathinda
30	30.068190	75.214870	8	4.0	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Maur Khurd	13	Maur Bathinda
31	30.020210	75.217390	8	6.8	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Sandoha	12	Maur Bathinda
32	30.014250	75.209680	8	4.9	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Sandoha	12	Maur Bathinda
33	30.025810	75.201900	8	2.7	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Maur	Sandoha	12	Maur Bathinda
34	29.969020	75.160980	8	24.2	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Talwandi Sabo	Jagga Ram	32	Talwandi Sabo Bathinda
35	29.974110	75.036380	8	3.8	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Talwandi Sabo	Jajjal	35	Raman Bathinda
36	29.818520	75.150890	8	3.3	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Talwandi Sabo	Kalawala	145	Talwandi Sabo Bathinda

37	29.953740	74.916690	9	11.0	npp	5/1/2024	1:04:13 PM	Bathinda	Talwandi Sabo	Talwandi Sabo	Tarkhanwala	118	Raman Bathinda
38	30.796890	74.667850	8	4.7	npp	5/1/2024	1:04:13 PM	Faridkot	Faridkot	Faridkot	Dale Wala	13	Sadar Fairdkot
39	30.645000	74.623000	74	12.7	mod	5/1/2024	10:49:06 AM	Faridkot	Faridkot	Faridkot	Dhab Sher	63	Sadiq Faridkot
40	30.521520	74.730430	8	2.6	npp	5/1/2024	1:04:13 PM	Faridkot	Faridkot	Kot Kapura	Khara	102	Sadar Kotkapura Faridkot
41	30.523770	74.731220	8	2.5	npp	5/1/2024	1:04:13 PM	Faridkot	Faridkot	Kot Kapura	Khara	102	Sadar Kotkapura Faridkot
42	30.404000	74.919000	60	7.1	mod	5/1/2024	10:49:06 AM	Faridkot	Jaito	Jaiton	Gumti Khurd	10	Jaitu Faridkot
43	30.391000	74.882000	60	6.9	mod	5/1/2024	10:49:06 AM	Faridkot	Jaito	Jaiton	Gumti Khurd	10	Jaitu Faridkot
44	30.459000	74.914000	80	20.3	mod	5/1/2024	10:49:06 AM	Faridkot	Jaito	Jaiton	Jaito Rural	1	Jaitu Faridkot
45	30.186230	74.324840	8	2.1	npp	5/1/2024	1:04:13 PM	Fazilka	Abohar	Abohar	Chanan Khera	118	Sadar Abohar
46	29.993000	74.113000	53	7.2	mod	5/1/2024	10:49:06 AM	Fazilka	Abohar	Abohar	Patti Umra	86	Bahaw Wala Fazilka
47	30.049180	74.054910	8	5.2	npp	5/1/2024	1:04:13 PM	Fazilka	Abohar	Khuian Sarwar	Dalmira Khera	90	Khuian Sarwar
48	30.046860	74.053000	8	6.4	npp	5/1/2024	1:04:13 PM	Fazilka	Abohar	Khuian Sarwar	Dalmira Khera	90	Khuian Sarwar
49	30.307290	73.950070	8	7.7	npp	5/1/2024	1:04:13 PM	Fazilka	Fazilka	Fazilka	Khan Wala	260	Sadar Fazilka

50	30.47500 0	73.984000	68	9.2	mod	5/1/2024	10:49:0 6 AM	Fazilka	Fazilk a	Fazilka	Rohela Tajeke	322	Sadar Fazilka
51	30.55200 0	74.209000	73	12.1	mod	5/1/2024	10:49:0 6 AM	Fazilka	Jalala bad	Jalalaba d	Chak Lambo char	246	Sadar Jalalabad
52	30.63332 0	74.173960	8	2.6	npp	5/1/2024	1:04:13 PM	Fazilka	Jalala bad	Jalalaba d	Parbat Singh Uttarh	347	Sadar Jalalabad
53	30.91945 0	74.771680	8	4.7	npp	5/1/2024	1:04:13 PM	Firozpur	Firozp ur	Ghall Khurd	Sodhin agar Urf	149	Ghall Khurd Firozepur
54	30.68172 0	74.227940	8	9.8	npp	5/1/2024	1:04:13 PM	Firozpur	Guru har Sahai	Guruhar Sahai	Gati Ajaib	331	Guru Harsahai Firozepur
55	30.77200 0	74.818000	72	10.6	mod	5/1/2024	10:49:0 6 AM	Firozpur	Talwa ndi Bhai	Ghall Khurd	Kabbar Bachha	178	Ghall Khurd Firozepur
56	30.77000 0	74.829000	79	16.8	mod	5/1/2024	10:49:0 6 AM	Firozpur	Talwa ndi Bhai	Ghall Khurd	Kabbar Bachha	178	Ghall Khurd Firozepur
57	31.04294 0	74.988330	8	4.9	npp	5/1/2024	1:04:13 PM	Firozpur	Zira	Zira	Behak Gujjran	144	Zira Firozepur
58	30.95886 0	74.855920	8	3.6	npp	5/1/2024	1:04:13 PM	Firozpur	Zira	Zira	Gogoa ni	363	Mallan Wala Firozepur
59	31.21453 0	75.496480	8	2.2	npp	5/1/2024	1:04:13 PM	Jalandhar	Nako dar	Nakodar	Awan Charm ee	141	Nakodar Jalandhar Rural
60	31.59468 0	75.562590	8	4.2	npp	5/1/2024	1:04:13 PM	Kapurthala	Bhola th	Nadala	Bassi	12	Begowal Kapurthala
61	31.59072 0	75.563670	8	7.2	npp	5/1/2024	1:04:13 PM	Kapurthala	Bhola th	Nadala	Bassi	12	Begowal Kapurthala

62	31.589910	75.559650	8	5.5	npp	5/1/2024	1:04:13 PM	Kapurthala	Bholath	Nadala	Nadali	11	Begowal Kapurthala
63	31.585000	75.563000	49	49.7	mod	5/1/2024	1:23:31 PM	Kapurthala	Bholath	Nadala	Nadali	11	Begowal Kapurthala
64	30.602790	75.407800	8	1.6	npp	5/1/2024	1:04:13 PM	Ludhiana	Jagraon	Jagraon	Hathur	174	Hathur Ludhiana Rural
65	30.965070	75.804570	8	3.9	npp	5/1/2024	1:04:13 PM	Ludhiana	Ludhiana West	Ludhiana 2	Manj	97	Salem Tabri Ludhiana City
66	30.524930	75.839510	8	1.2	npp	5/1/2024	1:04:13 PM	Malerkotla	Malerkotla	Malerkotla	Sher Wanikot	67	Sandaar Malerkotla
67	30.525550	75.840600	8	2.3	npp	5/1/2024	1:04:13 PM	Malerkotla	Malerkotla	Malerkotla	Sher Wanikot	67	Sandaar Malerkotla
68	29.946420	75.581340	8	6.5	npp	5/1/2024	1:04:13 PM	Mansa	Budhlada	Budhlada	Chak Bhike	221	Sadar Budhlada Mansa
69	29.949640	75.576050	8	6.5	npp	5/1/2024	1:04:13 PM	Mansa	Budhlada	Budhlada	Chak Bhike	221	Sadar Budhlada Mansa
70	29.838890	75.613560	8	2.4	npp	5/1/2024	1:04:13 PM	Mansa	Budhlada	Budhlada	Dharm pura	161	Bareta Mansa
71	29.770920	75.710820	8	2.4	npp	5/1/2024	1:04:13 PM	Mansa	Budhlada	Budhlada	Gorakh Nath	180	Bareta Mansa
72	29.902120	75.543200	8	3.8	npp	5/1/2024	1:04:13 PM	Mansa	Budhlada	Budhlada	Kalipur	230	City Budhlada Mansa
73	29.934000	75.192000	52	6.9	mod	5/1/2024	10:49:06 AM	Mansa	Mansa	Jhunir	Behniwal	52	Sadar Mansa
74	30.101310	75.402520	8	2.3	npp	5/1/2024	1:04:13 PM	Mansa	Mansa	Mansa	Burj Hari	61	Sadar Mansa

75	29.968090	75.376880	8	0.5	npp	5/1/2024	1:54:13 AM	Mansa	Mansa	Mansa	Jawaharke	114	City Mansa
76	29.916940	75.395260	8	2.3	npp	5/1/2024	1:04:13 PM	Mansa	Mansa	Mansa	Nangal	115	Sadar Mansa
77	30.117270	75.367360	8	3.7	npp	5/1/2024	1:04:13 PM	Mansa	Mansa	Mansa	Ubbah	62	Joga Mansa
78	29.844150	75.298630	8	3.5	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Jhunir	Bhalaikere	105	Jhunir Mansa
79	29.918830	75.298190	8	4.1	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Jhunir	Chhapi anwali	108	Sadar Mansa
80	29.819800	75.286580	8	2.8	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Jhunir	Ghudu wala	150	Jhunir Mansa
81	29.844100	75.233440	8	1.7	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Jhunir	Mian	97	Jaurkian Mansa
82	29.865070	75.228920	8	6.8	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Jhunir	Tandian	95	Jaurkian Mansa
83	29.757420	75.279110	8	4.2	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Sardulgarh	Fatta Maloka	166	Jhunir Mansa
84	29.756110	75.275680	8	8.6	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Sardulgarh	Jatana Kalan	147	Sardulgarh Mansa
85	29.756530	75.274680	8	3.5	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Sardulgarh	Jatana Kalan	147	Sardulgarh Mansa
86	29.752360	75.275810	8	3.5	npp	5/1/2024	1:04:13 PM	Mansa	Sardulgarh	Sardulgarh	Jatana Kalan	147	Sardulgarh Mansa
87	30.696870	75.184240	8	1.5	npp	5/1/2024	1:04:13 PM	Moga	Bagha Purana	Bagha Purana	Ghilia Kalan	89	Baghapurana Moga
88	30.608000	75.141000	63	8.3	mod	5/1/2024	10:49:06 AM	Moga	Bagha Purana	Bagha Purana	Smadh Bhai	142	Baghapurana Moga
89	30.607920	75.194720	8	5.5	npp	5/1/2024	1:04:13 PM	Moga	Nihal Singh	Bagha Purana	Manu Ke	105	Nihal Singh Wala Moga

90	30.60700 0	75.194130	8	4.0	npp	5/1/2024	1:04:13 PM	Moga	Nihal Singh	Bagha Purana	Manu Ke	105	Nihal Singh Wala Moga
91	30.69591 0	75.307090	8	3.1	npp	5/1/2024	1:04:13 PM	Moga	Nihal Singh	Nihal Singh	Badhni Kalan	101	Badhni Kalan Moga
92	30.69504 0	75.302820	8	3.1	npp	5/1/2024	1:04:13 PM	Moga	Nihal Singh	Nihal Singh	Badhni Kalan	101	Badhni Kalan Moga
93	30.57300 0	75.296000	55	6.9	mod	5/1/2024	10:49:0 6 AM	Moga	Nihal Singh	Nihal Singh	Dhur Kot	163	Nihal Singh Wala Moga
94	30.60025 0	75.182200	8	2.8	npp	5/1/2024	1:04:13 PM	Moga	Nihal Singh	Nihal Singh	Rounta	143	Nihal Singh Wala Moga
95	30.47268 0	74.645740	8	3.0	npp	5/1/2024	1:04:13 PM	Muktsar	Gidde rbaha	Kot Bhai At Gidderb aha	Bhatti Wala	72	Kotbhai Sri Muktsar Sahib
96	30.35998 0	74.610760	8	3.0	npp	5/1/2024	1:04:13 PM	Muktsar	Gidde rbaha	Kot Bhai At Gidderb aha	Doda	75	Kotbhai Sri Muktsar Sahib
97	30.38947 0	74.622490	8	6.5	npp	5/1/2024	1:04:13 PM	Muktsar	Gidde rbaha	Kot Bhai At Gidderb aha	Doda	75	Kotbhai Sri Muktsar Sahib
98	30.19508 0	74.583500	8	4.3	npp	5/1/2024	1:04:13 PM	Muktsar	Gidde rbaha	Kot Bhai At Gidderb aha	Theri	19	Gidderbaha Sri Muktsar Sahib
99	30.06900 0	74.689000	53	6.6	mod	5/1/2024	10:49:0 6 AM	Muktsar	Malo ut	Lambi	Gagar	4	Lambi Sri Muktsar Sahib
100	30.24600 0	74.335000	66	9.5	mod	5/1/2024	10:49:0 6 AM	Muktsar	Malo ut	Malout	Rani Wala	175	Kabarwala Sri Muktsar

													Sahib
101	30.279410	74.400350	8	3.5	npp	5/1/2024	1:04:13 PM	Muktsar	Malout	Malout	Ratta Khera	173	Sadar Malout Sri Muktsar Sahib
102	30.546000	74.663000	84	27.3	mod	5/1/2024	10:49:06 AM	Muktsar	Muktsar	Muktsar	Bari Wala	93	Bariwala Sri Muktsar Sahib
103	30.450280	74.385320	8	2.8	npp	5/1/2024	1:04:13 PM	Muktsar	Muktsar	Muktsar	Bhagsar	51	Lakhewali Sri Muktsar Sahib
104	30.605630	74.630000	8	2.2	npp	5/1/2024	1:04:13 PM	Muktsar	Muktsar	Muktsar	Budhi Mal	144	Bariwala Sri Muktsar Sahib
105	30.441000	74.448000	59	7.0	mod	5/1/2024	10:49:06 AM	Muktsar	Muktsar	Muktsar	Chak Mahan	56	Lakhewali Sri Muktsar Sahib
106	30.602900	74.627440	8	1.3	npp	5/1/2024	1:04:13 PM	Muktsar	Muktsar	Muktsar	Jandoke	143	Bariwala Sri Muktsar Sahib
107	30.637060	74.533650	8	3.1	npp	5/1/2024	1:04:13 PM	Muktsar	Muktsar	Muktsar	Kanian Wali	150	Sadar Sri Muktsar Sahib
108	30.572140	74.555080	8	15.9	npp	5/1/2024	1:04:13 PM	Muktsar	Muktsar	Muktsar	Lubhanian Wali	139	Bariwala Sri Muktsar Sahib
109	30.544000	74.674000	80	22.1	mod	5/1/2024	10:49:06 AM	Muktsar	Muktsar	Muktsar	Madahar Kalan	94	Bariwala Sri Muktsar Sahib
110	30.206940	75.638360	8	7.7	npp	5/1/2024	1:04:13 PM	Sangrur	Sangrur	Sangrur	Lohakhera	1	Longowal Sangrur
111	30.206100	75.634210	8	7.7	npp	5/1/2024	1:04:13 PM	Sangrur	Sangrur	Sangrur	Lohakhera	1	Longowal Sangrur

112	30.207780	75.642530	8	20.0	npp	5/1/2024	1:04:13 PM	Sangrur	Sangrur	Sangrur	Lohakhera	1	Longowal Sangrur
113	30.208620	75.646700	8	20.0	npp	5/1/2024	1:04:13 PM	Sangrur	Sangrur	Sangrur	Longowal	4	Longowal Sangrur
114	30.203740	75.643610	8	20.0	npp	5/1/2024	1:04:13 PM	Sangrur	Sangrur	Sangrur	Longowal	4	Longowal Sangrur
115	31.175410	74.821850	8	2.1	npp	5/1/2024	1:04:13 PM	Tarn Taran	Patti	Patti	Sabra	190	Sadar Patti
116	31.258660	74.592160	8	10.9	npp	5/1/2024	1:04:13 PM	Tarn Taran	Patti	Valtoha	Bhandal	74	Khalra
117	31.260000	74.593940	8	13.2	npp	5/1/2024	1:04:13 PM	Tarn Taran	Patti	Valtoha	Bhandal	74	Khalra
118	31.436740	74.687200	8	16.0	npp	5/1/2024	1:04:13 PM	Tarn Taran	Tarn Taran	Gandiwind Tatla	Mahna	190	Chabal
119	31.432580	74.688360	8	16.0	npp	5/1/2024	1:04:13 PM	Tarn Taran	Tarn Taran	Gandiwind Tatla	Malian	191	Chabal

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

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

The Wheat mask for the States was provided by MNCFC, MoA&FW, Govt. of India

GIS Maps of fire events can be visualized online on Crop Residue Burning (CRB) Information and Management System of Punjab Remote Sensing Centre, Ludhiana by following the link: <http://202.164.39.172/residue/Index.aspx>