



Interpreting Imagery















NATIONAL, MERARED OPERATIONS



Delivery Date	Number of Fires	Hectares	Comments
2 Aug	13 with 5 unknowns	24,385	Many Clouds
3 Aug	Heat in box (approx 16)	10,420	1 large box, lots of clouds
4 Aug	12 with 1 unknown	41,760	
5 Aug	10 with 1 unk	47,539	
6 Aug	7 with 2 unk	42,240	
7 Aug	3	9,721	
8 Aug	1	8,981	
9 Aug	6	32,151	
10 Aug	5	24,512	
11 Aug	2	3,777	
12 Aug	2 with 1 unrequested	16,055	Heat only on unrequested
13 Aug	0		No Order
14 Aug	14 with 1 unrequested	58,809	
15 Aug	0		No Order
16 Aug	7	23,605	1 box had no heat
17 Aug	6	22,755	3 boxes had no heat
18 Aug	10 with 1 unk	19,189	Priority fires not georef.
19 Aug	11 with 1 partial	56,624	
20 Aug	4	76,756	Some Clouds



WHAT WORKED

- Jan Johnson acting as IRRC
- Upload of data from 149Z south of international boundary to nirops ftp
- Upload of shapefiles, maps, and logs to ftp.nifc.gov

NATIONAL MERARED OPERATIONS

What could have worked better

- Direct Communication with BC and pod
 IRRC with Pod or in BC
- Aircraft in Kamloops or Prince George
- Pod in Kamloops or PG
- SOP from the start. What they wanted.

NATIONAL INFRARED OPERATIONS



- Long term remote assignment
- Background data
- Georeferencing
- QC Data aka buddy check

Orthotiff from a fire with Data Frame Coordinate System set to the data's native projection of Transverse Mercator with Central Meridian -125

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	508988.264 5834364.948 Meters	

Same orthotiff, same location, but with Data Frame Coordinate System set to another orthotiff's Coordinate System – Transverse Mercator – Central Meridian -123.



Same orthotiff, same location, but with Data Frame Coordinate System set to the Incident's preferred Coordinate System –



Zoomed in, it is possible to see that the pixels appear rectangular. That is a big clue that you have your coordinate system set incorrectly. The orthotiff pixels are always square.

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It is simple to change the Coordinate System in use in ArcMap.

Simply right click on the Data Frame in the table of contents

Click on Properties

Click on the Coordinate System Tab

Click on the plus (+) sign next to Layers in the Select a coordinate system window

Find the orthotiff or whatever orthorectified layer you are interpreting from and click on the layer and then on the coordinate system name that shows up below it.



Data Frame Properties	? ×
Annotation Groups Extent Rectangles General Data Frame Coordinate System	Frame Size and Position
Current coordinate system:	
Transverse Mercator Projection: Transverse_Mercator False_Easting: 500000.000000 False_Northing: 0.000000 Central_Meridian: -125.000000 Scale_Factor: 0.999601 Latitude_Of_Origin: 0.0000000 Linear Unit: Meter GCS_North_American_1983 Datum: D_North_American_1983	<u>C</u> lear
Select a coordinate system:	
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BC_FireLocations20100820	
	Import
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This also can occur between runs on a single fire, where the aircraft is in one "zone" when one run is started and a different "zone" when the next one is started.