

WINTRE-MIX Field Catalog

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Dec. 13th, 2021



What is the EOL Field Catalog?

The field catalog is a web-based collaborative service whose mission is to provide facilities for:

- Product Documentation
- Post Mission, IOP or case study review
- Mission Planning
- Real-time Communications
- Situational Awareness
- Real-time Decision Making

Mission Table

RF04	2019-08-16 12:30	2019-08-16 18:30	Aircraft Advisory Model Radar Satellite Surface Upperair	GV kml GV plot	Mission Summary	B1	Far from the Choc'o coast there was suppressed trade convection with a persistent altocumulus layer near 6 km. Widely scattered precipitation cells developed in this altocumulus with precipitation reaching the surface according to HCR. As we approached the Choc'o coast, there was more mid-level and deep convection. The Choc'o jet existed but was weak and shallow. Trade cumulus plus occasional mid-level to deep convection existed in the NE part of our Caribbean pattern. Deep convection become more frequent as we approached the Costa Rica coast. The SW Caribbean jet was completely shut off in our box, with light and variable winds up at least to the mid-troposphere according to our dropsondes.	View Download
RF05	2019-08-17 12:30	2019-08-17 18:00	Aircraft Advisory Model Radar Satellite Surface Upperair	GV kml GV plot	Mission Summary	B2	Joint Mission with N42RF NOAA P-3 Mainly suppressed convection in the box B2 due to the MCS NW of our box that NOAA42 was studying for possible cyclone formation. Easterlies and northeasterlies of 20 to 35 kt were observed at flight level.	View Download
RF06	2019-08-18 13:30	2019-08-18 19:00	Aircraft Advisory Model Radar Satellite Surface Upperair	GV kml GV plot	Mission Summary	Tropical Storm	Joint Mission with N42RF NOAA P-3 There was more deep convection to the north. South was mainly trade cumulus. Much of the deep convection was decaying. The exception was a strong convective cluster in the NE part of the G-V flight pattern. This is where we had dropsonde problems. Quick looks at flight level and radiosonde winds suggested a weak circulation, though details await a 3dvar analysis of the dropsondes.	View Download
RF07	2019-08-22 13:30	2019-08-22 19:30	Aircraft Advisory Model Radar Satellite Surface Upperair	GV kml GV plot	Mission Summary	B1	Mainly suppressed convection was observed in box B1a with clear sky, some Sc and isolated Cu clouds. Developing convection was observed at SE corner. Winds were easterlies and NE, 20 – 30 kt at flight level. We had a visual of the Colombian coast. As G-V was approaching the IP of B1b box, small, but impressive convective system started developing in that area. It rapidly moved westward. When G-V finished the last leg of the lawn-mower, this system was well developed with a center in the middle of B1b box and still developing convection to the W of it. At the far west side of the B1b box dissolving MCS was observed with stratiform convection	View Download

Timing of IOP

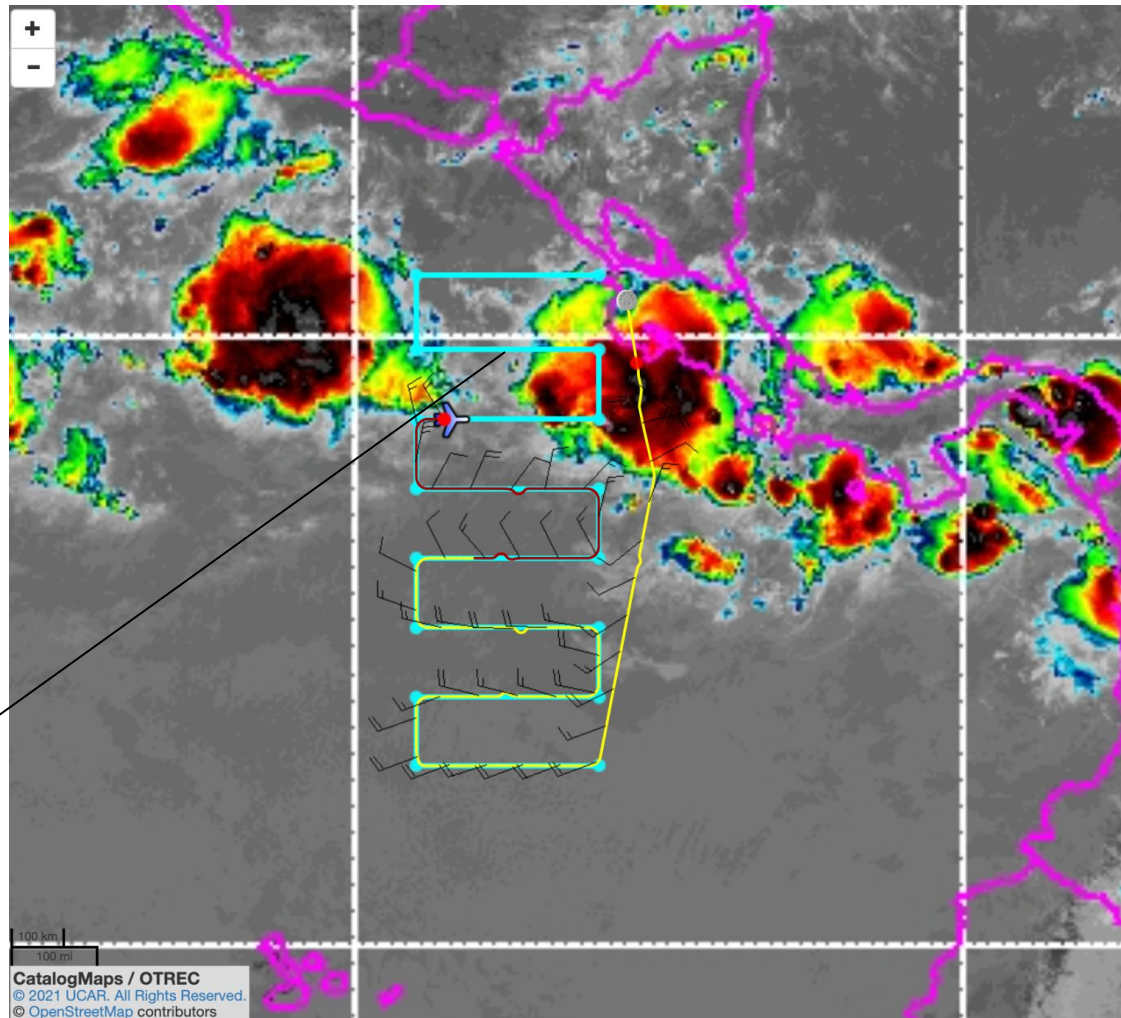
Product Links

Reports

Status Table

[Status Reports](#) / Summary

Instrument	2019-08-01	2019-08-08	2019-08-19	2019-08-24	2019-09-01	2019-09-04	2019-09-08	2019-09-11	2019-09-17	Instrument
Aircraft										
Aircraft, NSF/NCAR GV HIAPER										
Overall	provisional	up	up			up	up	down ⓘ	up	Overall
AVAPS - Airborne Vertical Atmosphere Profiling Systems	provisional	up	up			down ⓘ	up	up		AVAPS - Airborne Vertical Atmosphere Profiling Systems
Aircraft Data System - ADS	provisional	up	up			up	up	up		Aircraft Data System - ADS
HIAPER Cloud Radar - HCR	provisional	up	up			up	up	up		HIAPER Cloud Radar - HCR
Upper Air										
Research SkewT										
Limon Sounding System	provisional	inactive	up	up	down			up		Limon Sounding System
Nuqui Sounding System	provisional	up	up	up						Nuqui Sounding System
Santa Cruz Sounding System	provisional	inactive	inactive	up						Santa Cruz Sounding System
Instrument	2019-08-01	2019-08-08	2019-08-19	2019-08-24	2019-09-01	2019-09-04	2019-09-08	2019-09-11	2019-09-17	Instrument



▼ CatalogMaps / OTREC [?]
NCAR / EOL / DMS
[Mobile Interface](#) | [Reset To Defaults](#)

▼ Time / Playback [?]
Mode: **II Playback**
Map Time: **2019-08-12 16:10 UTC**
[Reset to Latest](#)

▼ Time Step
[back](#) 10 minutes [forward](#)

▼ Date / Time Select
August 2019

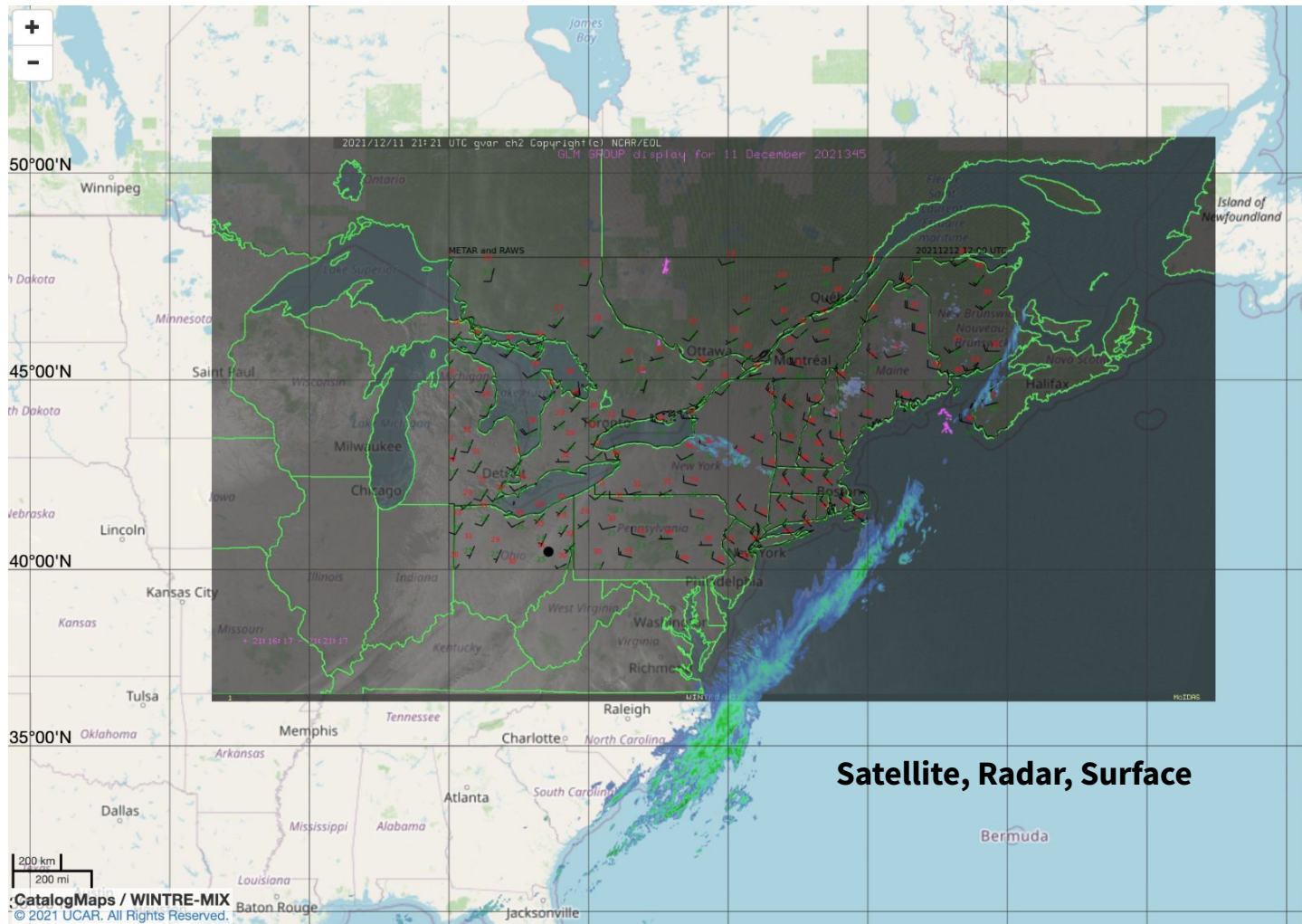
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Hour: 16 Minute: 10
[Date / Time Select](#)

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▶ Waypoints Tool

▼ Camera [?]

Flight Plan



✓ CatalogMaps / WINTRE-MIX ?

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✓ Time / Playback ?

Mode: **II Playback**

Map Time: **2021-12-12 12:02 UTC**

🔄 Reset to Latest

✓ Time Step

⏮ back

1 minute

forward ⏭

✓ Date / Time Select

December 2021						
Su	Mo	Tu	We	Th	Fr	Sa
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Hour: 12

Minute: 2

📅 Date / Time Select

✓ Tools ?

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➤ Mouse Position

➤ Measure Tool

➤ Waypoints Tool

✓ Layers ?