

Coastal Monitoring Radar

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**Application of Sensors in
Precision Aquaculture**

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STREAM MTU

Halpin

Deploying sensors

Pumping system

Coastal Monitoring Radar

Social media Platform

Department of Physical Sciences

Sampling & Testing Programme

Radar System

Low Cost Coastal Monitoring Solution

Accurate Local Weather Information

National Rainfall Radar

Disseminated on Social Media Platform



Halo-6 Radar

Simrad Halo-6 Pulse Compression
Radar. Range 75m – 72nm

Yacht & Small Vessels

Weather & Bird Modes

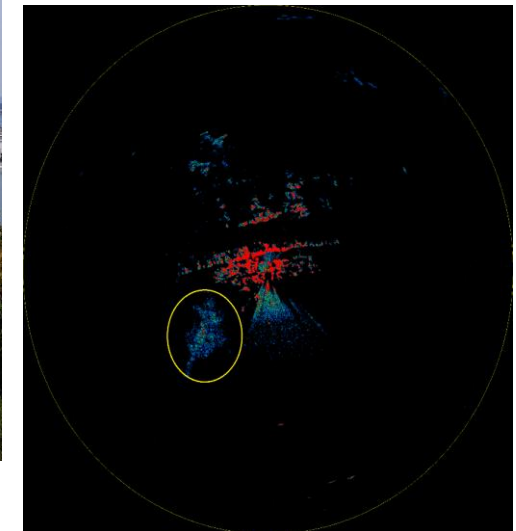


Halo-6 Radar

Battery Powered

Wind and Solar Generation

Detecting rainfall at 35km



Radar Deployment Sites

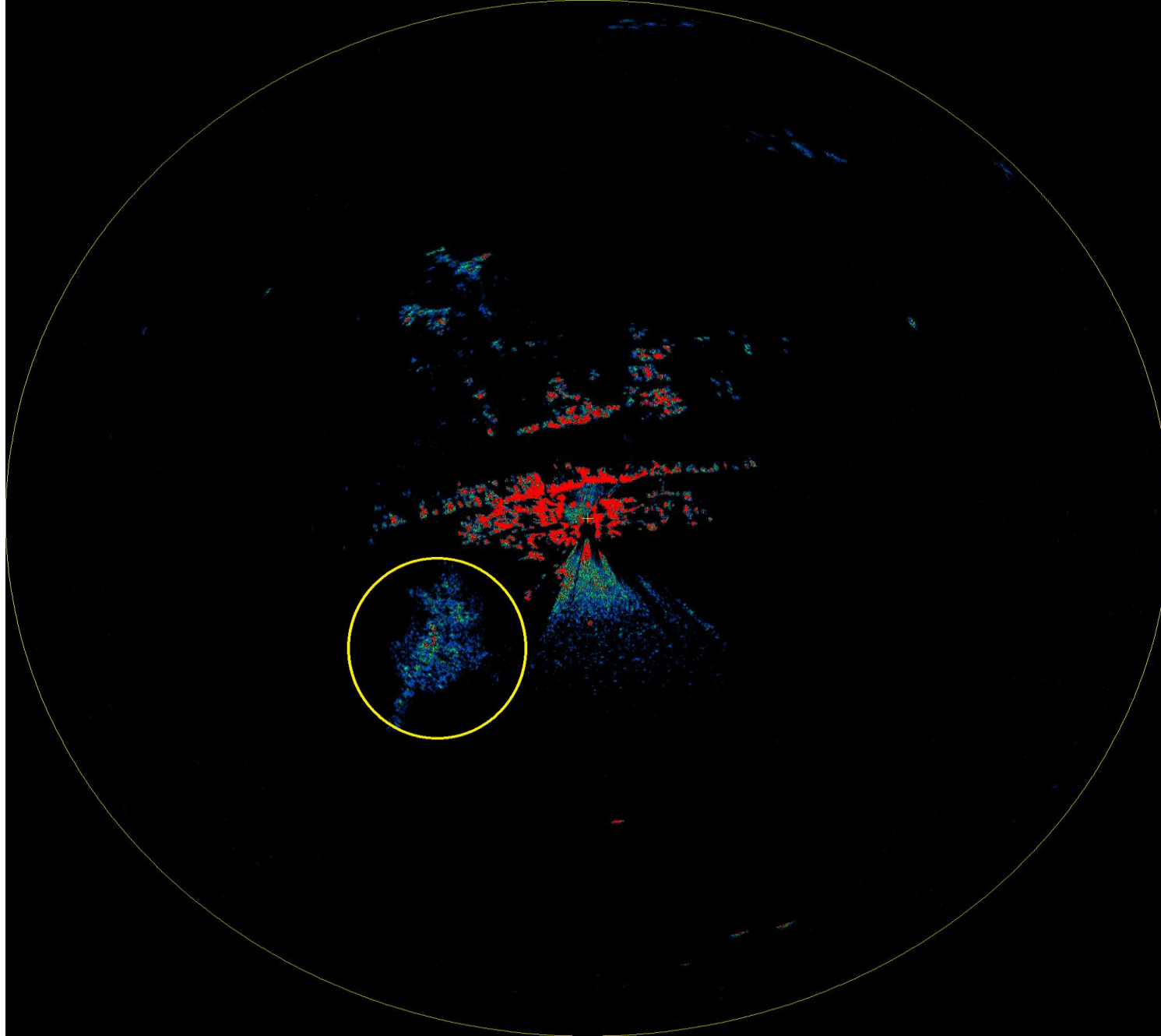
FT Davis Test Site (Cork Harbour)

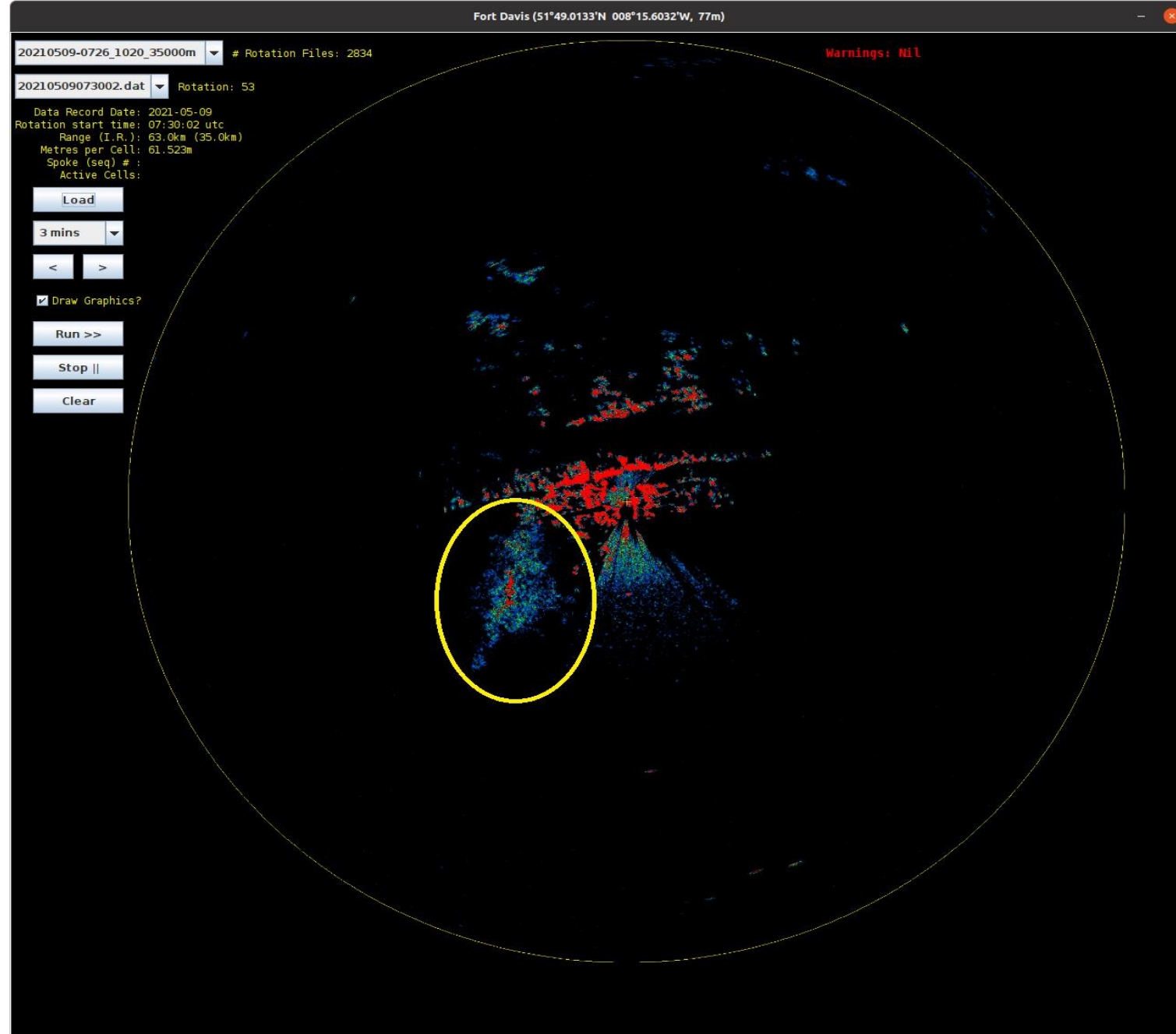
Kilmore Quay (2021)

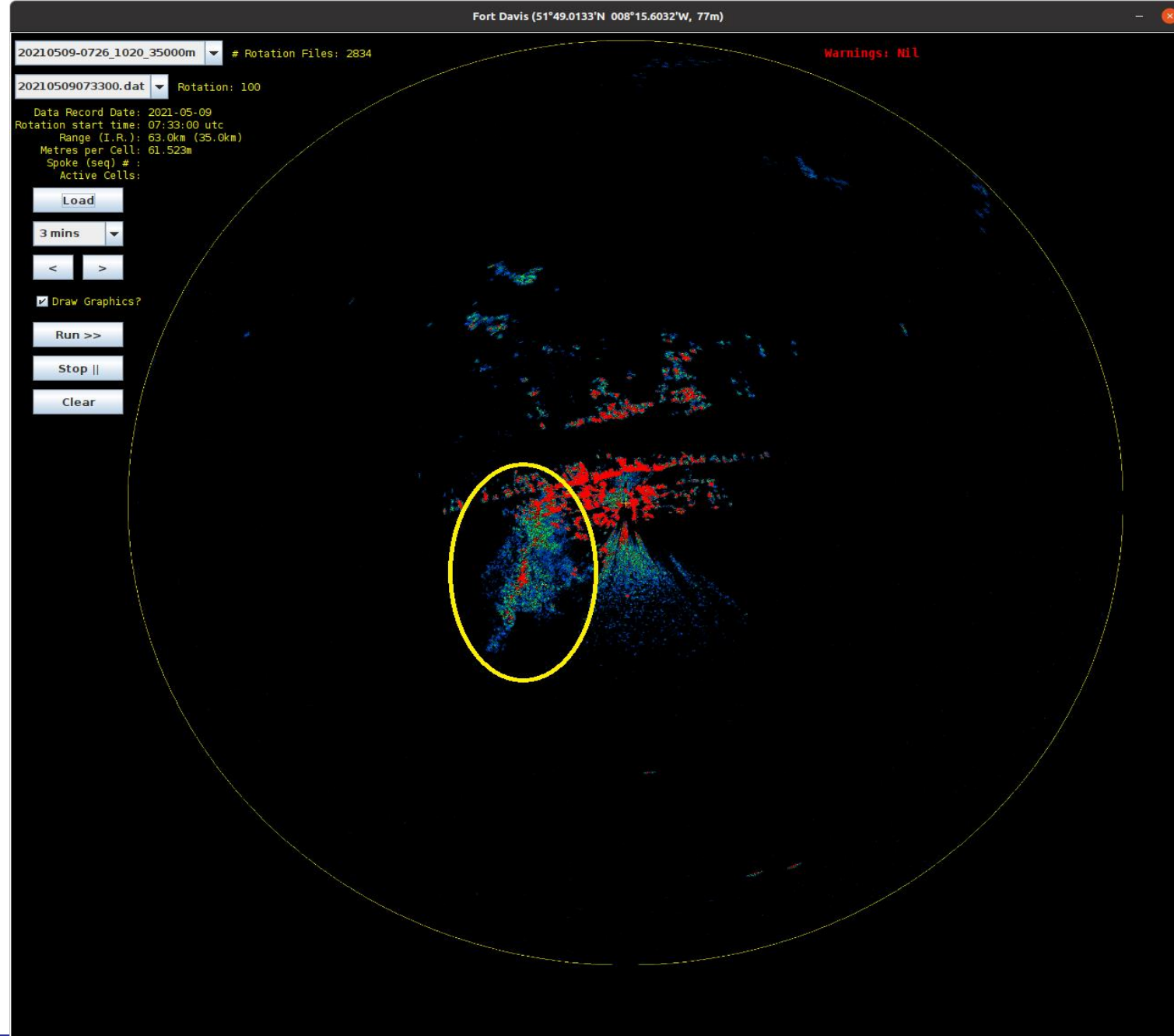
Swansea (2022)

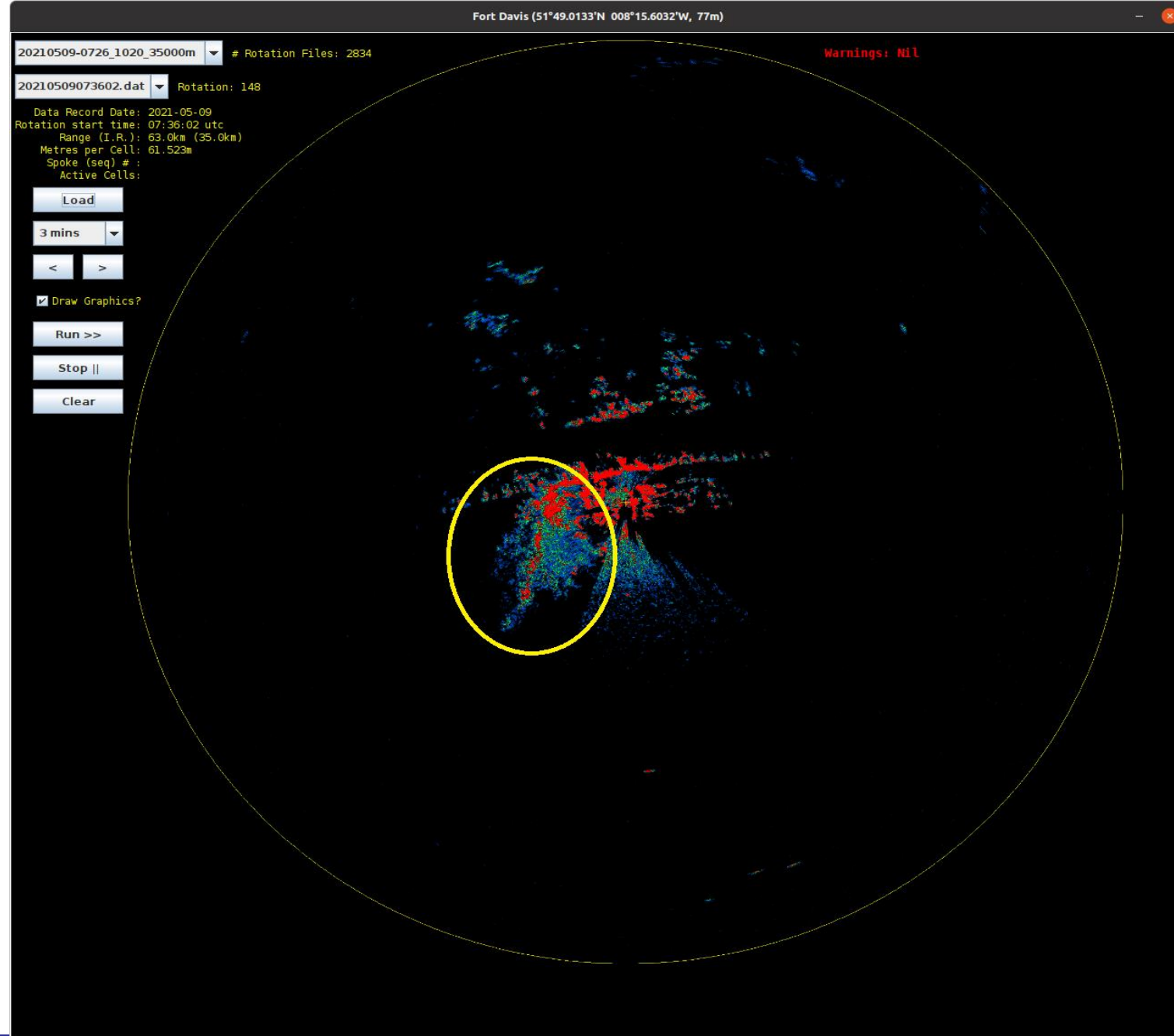
Other Deployments

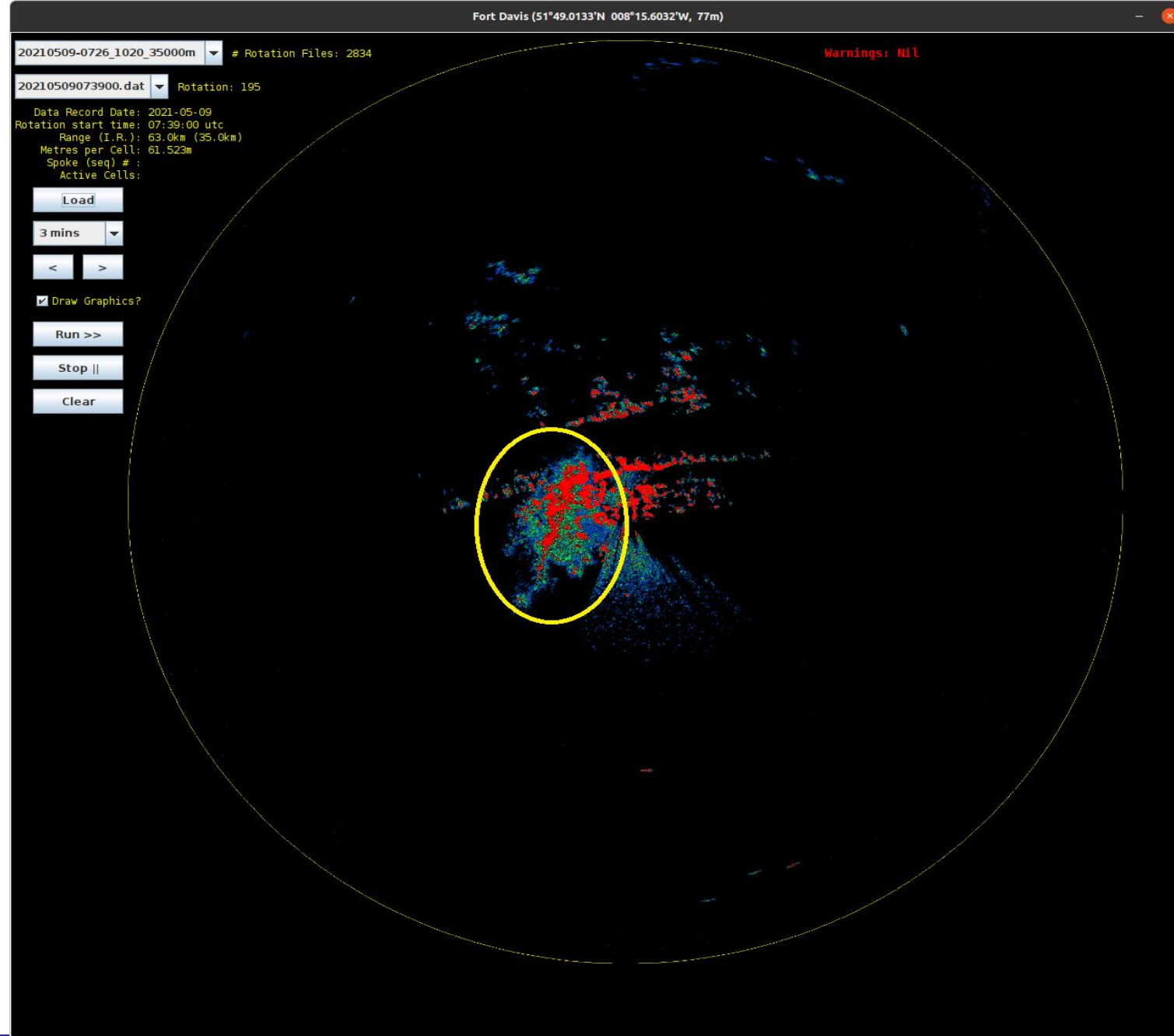


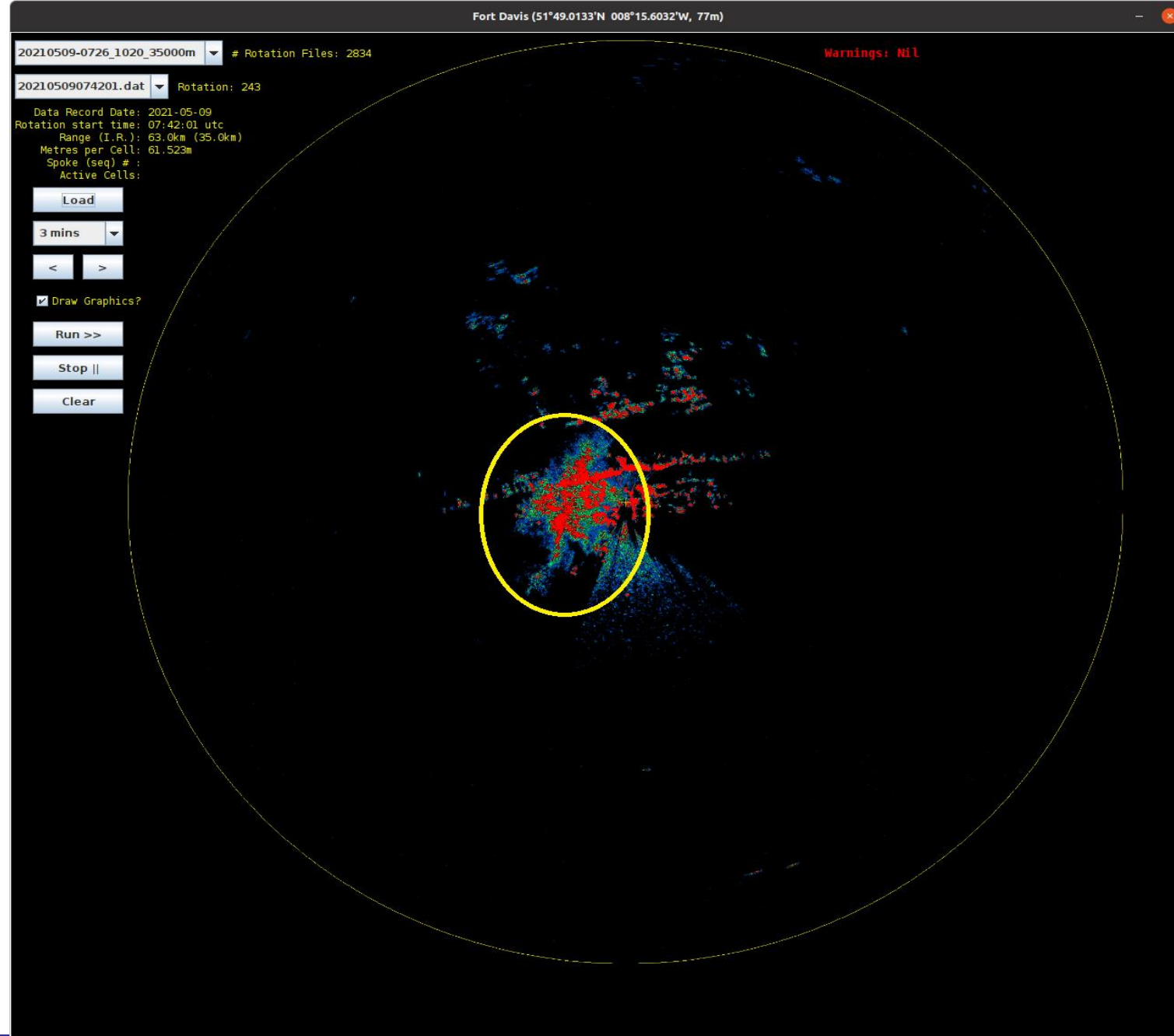












Thank You

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