

# Visiting Scientist Program & Demonstration Plan

2014 GOES-R/JPSS OCONUS R2O Interchange Meeting

30 July, 2014

Bill Ward

ESSD Chief, Pacific Region Headquarters

# Agenda

- Visiting Scientist Program
- Demonstration Plan
- Summary

# Visiting Scientist Program (VSP)

- VSP requirements
  - Planning
  - Software installations/instructions
  - Trip Report
- CSPP Training
  - SSEC Provided the training
  - August 2013
  - UH Classroom
  - Future Training for LEO & GEO CSPP Training?
- SPoRT QPE Training
  - 5-9 May 2014
  - WFO HNL-CPHC / PRH / Air Force
  - Future Training for QPE & other Products by SPoRT

# PR's VSP Requirements

- Planning

- 3 – 4 months in advance

- Initial contact is with the ESSD Chief
- Further coordination w/ WFO management, ESSD SSM and OCONUS Satellite Research Scientist to refine dates and schedule the VSP training.

- Software Installation(s)/Instructions

- Will be passed on to the ESSD SSM and OCONUS Satellite Research Scientist for implementation and testing to ensure it does not interfere with Office Operations.

- Trip Report

- Trip report should be completed within 1 to 2 weeks of the visit

- Contains all activities, issues, comments, future plans and recommendations for refinement from trainers and those trained

# VSP SPoRT Visit

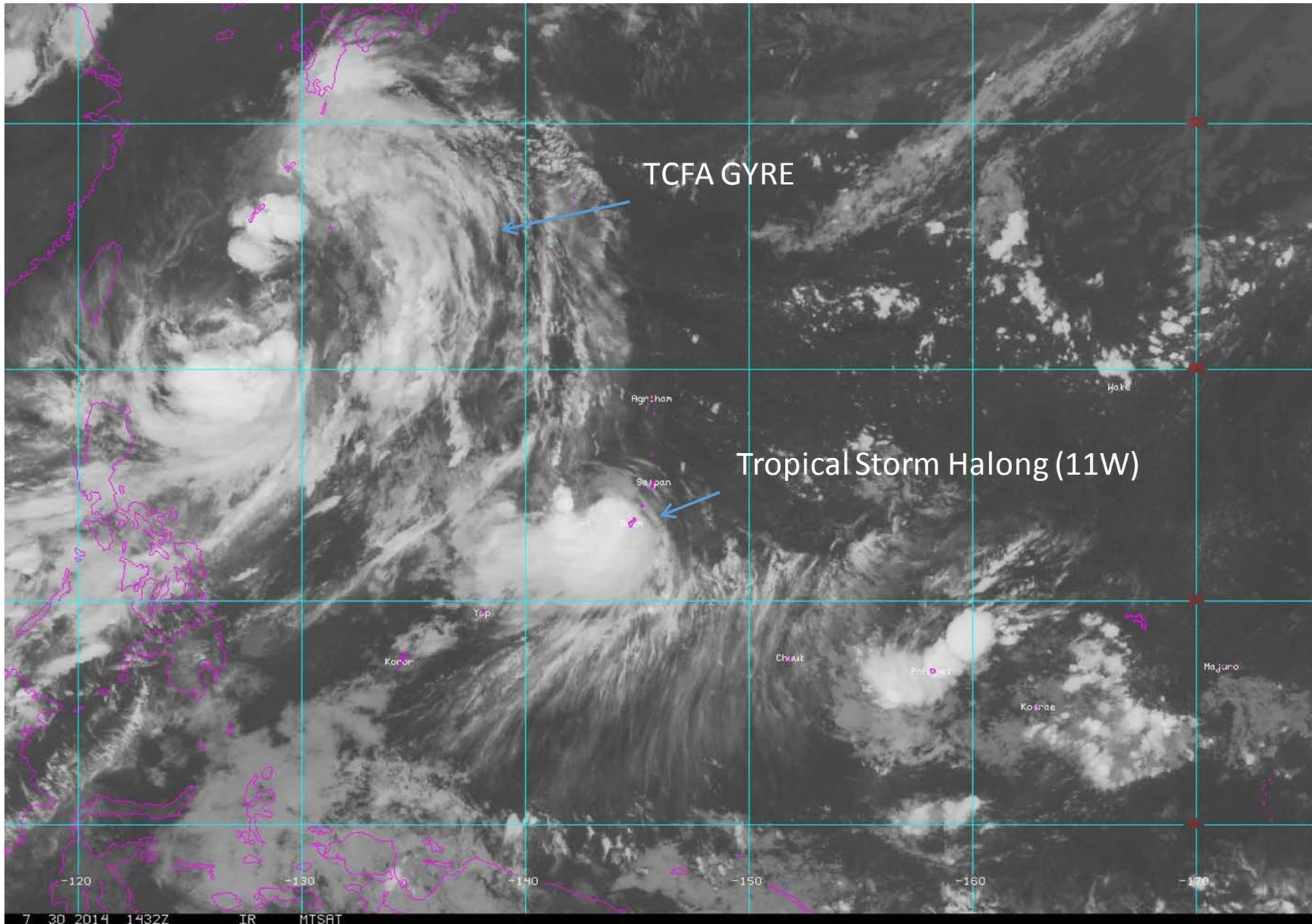
- First of two scheduled visits
  - 2<sup>nd</sup> trip is planned for October 2014 (Exact dates TBD)
- Future SPoRT Plans
  - Lightning
  - QPE for Himawari 8/9
  - Future product training development

# Products to be demonstrated / Trained on

- Baseline
  - Lightning Detection
  - Volcanic Ash Detection & Height
  - Rainfall Rate / QPE
  - Total Precipitable Water
- GOES-R Risk Reduction
  - Statistical Tropical Cyclone Intensity Models
  - Orographic Rain Index
- Future Capabilities
  - Convective Initiation & Cloud Top Cooling Rates

# Demonstration Plan

- Products to be demonstrated
- Training
- ORD & IOC
- What does completion look like?



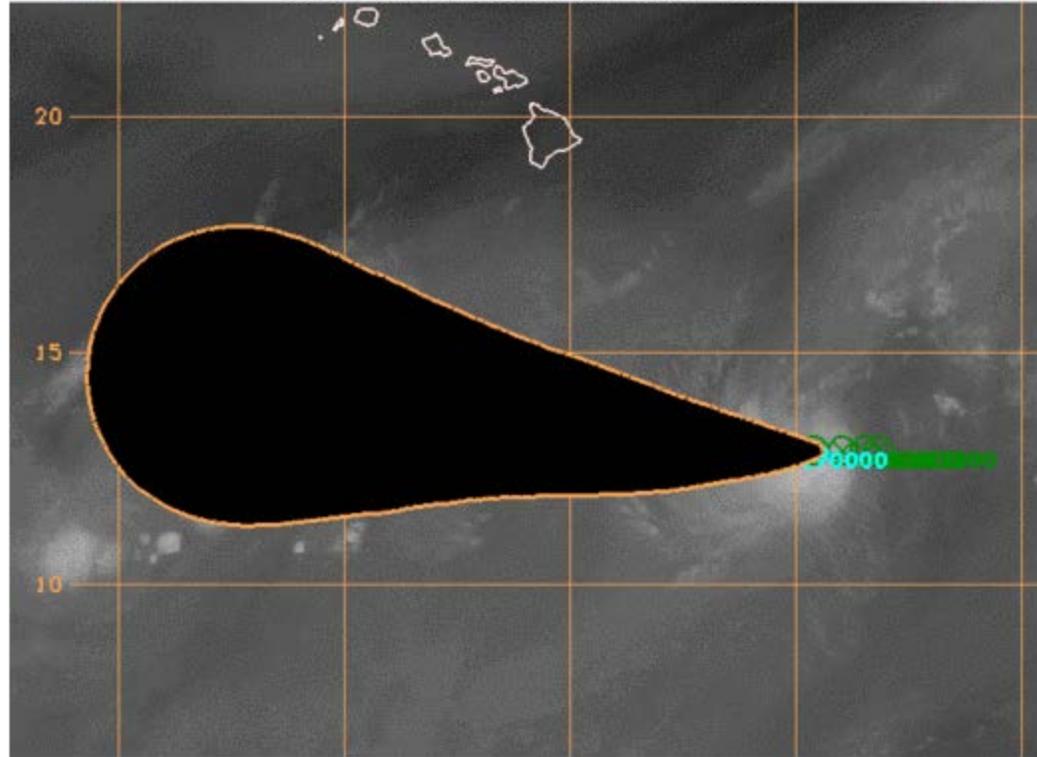


# Tropical Depression GENEVIEVE

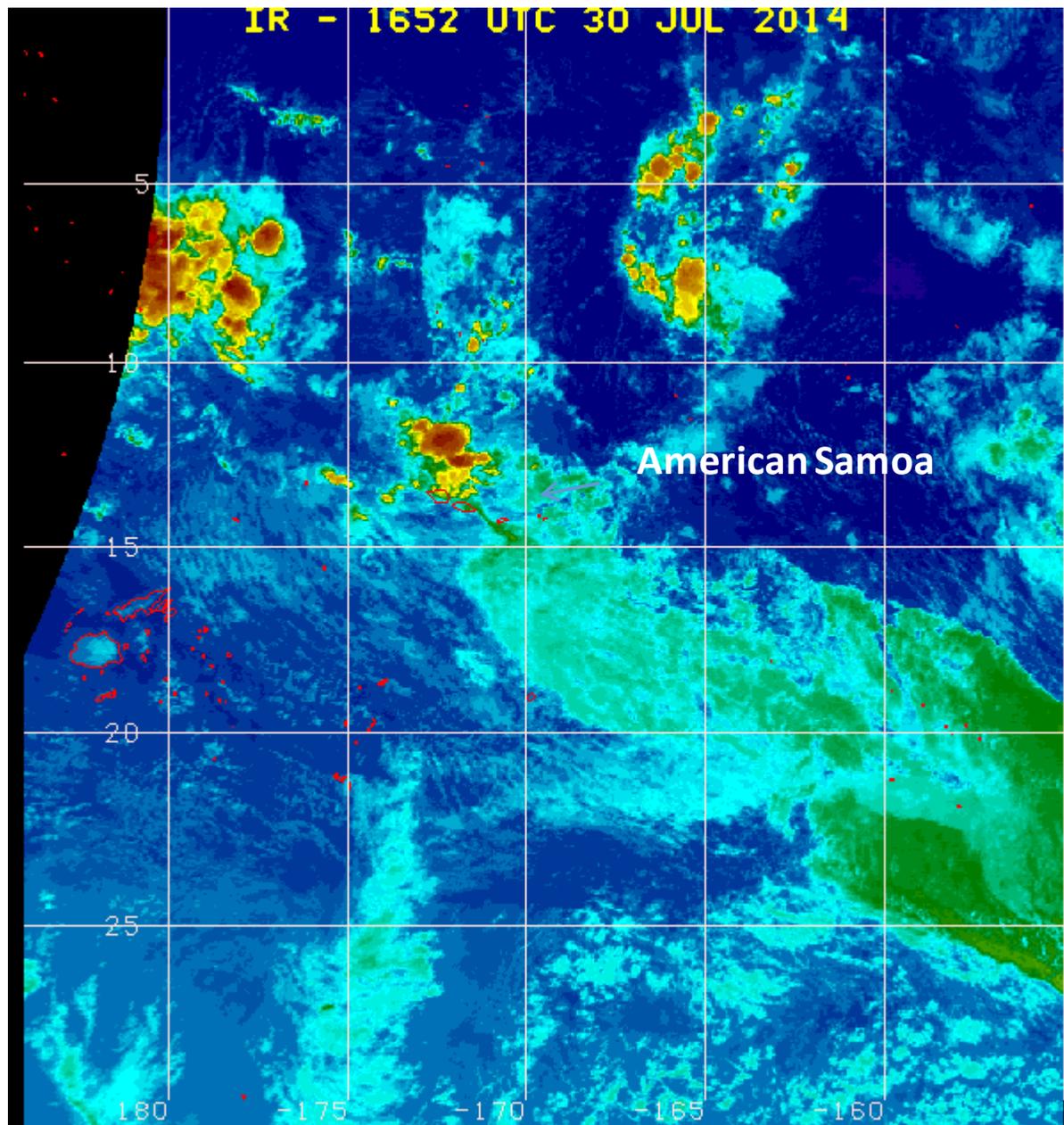
## Satellite Image with Forecast Track



Central Pacific Hurricane Center Honolulu, Hawaii



- Past Positions:    ⊗ Tropical Depression    ⚡ Tropical Storm    🌀 Hurricane
- Forecast Track:    ⊗ Tropical Depression    ⚡ Tropical Storm    🌀 Hurricane



# Summary

- Future plans for VSP
- Future Demonstration Products
- August 4<sup>th</sup> meeting
  - NOAT GOES-R Pick-5 MTG

# Questions & Contact Information

Bill Ward

ESSD Chief, PRH

Honolulu, Hawaii

[bill.ward@noaa.gov](mailto:bill.ward@noaa.gov)

808.725.6010 (Office)

808.722.9961 (Cell)