

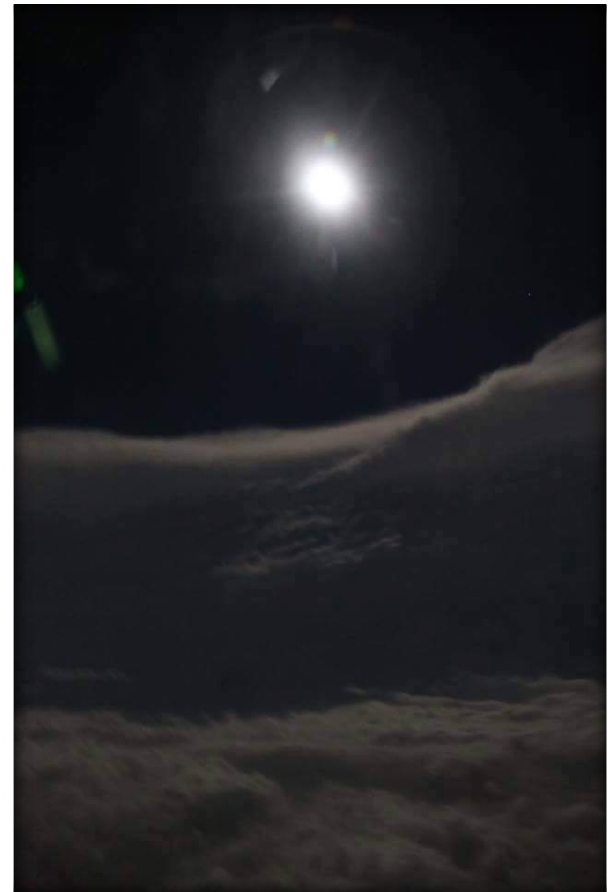


***53<sup>rd</sup> Weather Reconnaissance Squadron  
Forecast of long range capabilities  
for the WC-130J***



***Lt Col Kait Woods***

***Interdepartmental Hurricane Conference  
Tropical Cyclone Research Forum  
2018***



***Eye of Irma at night***

***Integrity - Service - Excellence***



# ***Technological Improvements for this 2018***

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**New hygrometers**

**May**

**Software upgrade**

**June**

**New VDM**

**New Ground Stations ("14)**

**June**

**Windows 10**

**Meets NHC security requirements**

**AXBT launcher ("11)**

**May**

**New Mission Computers ("14)**

**November**

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# ***Technological Improvements for the near future***

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**Radar transmission ("14)**

**3-5 years**

**What is next?**

- Are these still needed and desired?**
- Quantify importance of data?**

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# ***Technological Improvements for the long term future***

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**5-10 years out what will we need?**

**How this would help.**

- It would allow items to be in the “POM”**
- Initial research to be started**
- Where can this be documented**

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# *Technological Improvements suggestion*

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## **Working Group:**

- Objective: Id requirements both short and long term.**
- Meet yearly in Jan**
- 53<sup>rd</sup>, AFRC, NHC, HRD, AOC**