



53rd WRS 2020 Year in Review

Lt Col Kaitlyn McLaughlin, 53rd WRS
Chief ARWO

CAO: 22 Feb 21



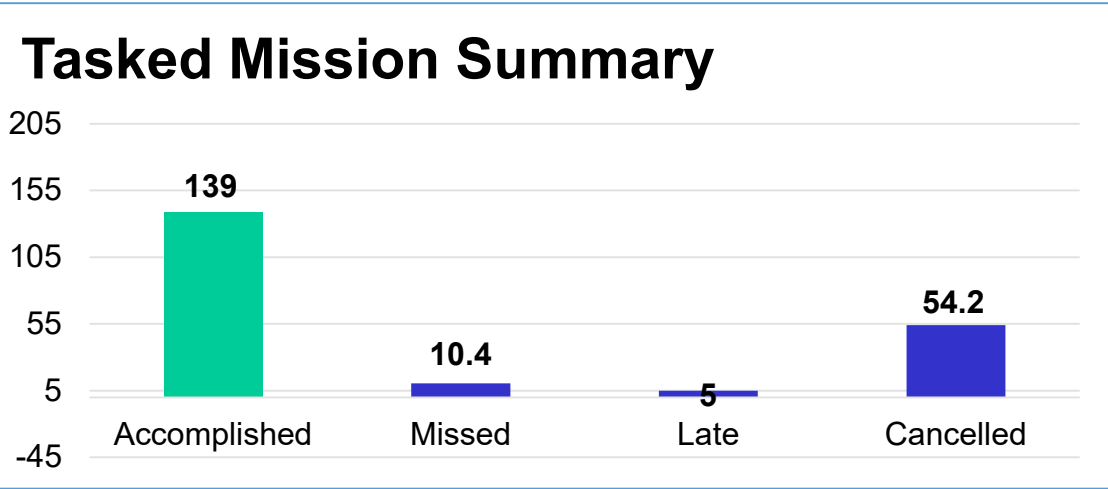
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53rd Tropical Season in Review

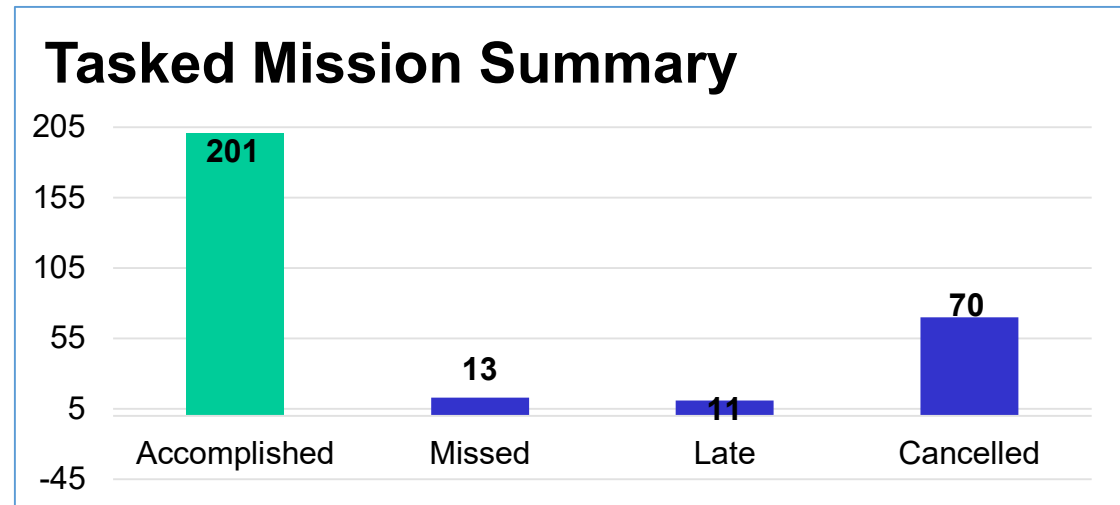


1160.8 total flying hours
 146 missions
 187 fixes
 14 invests
 13 missed fixes
 8 late fixes
 1 early fix

Thank you NOAA AOC
 97 requirements
 accomplished!



Average of last 5 years



2020



53rd Tropical Season in Review



Challenges:

COVID

- 6 feet was not something we could do!
- Lack of funding for testing kits
- Mission essential procedures according to CDC

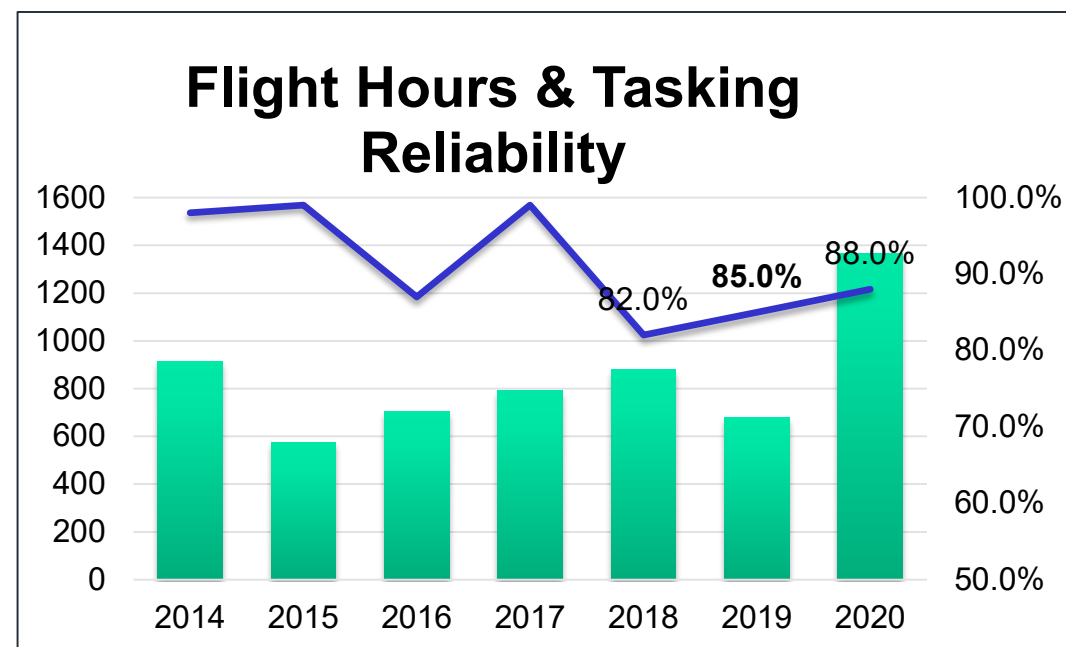
Manpower

- ARWOS (5 FMQ'ed!....5 more now)
- MX personnel and deployments

Aircraft and Met Equipment

- Upgrade ARWO pallet to Windows 10 to XP
- Drop pallet problems

4 HURREVACS





2021 Season



Challenges:

COVID

Should have herd immunity by June

Manpower

Looking better!!

Aircraft and Met Equipment

- Upgrade ARWO pallet to Windows 10 to XP by April
- Drop pallet problems still a concern
- Fleet is having recurring issues with fuel leaks



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WC-130J Equipment Update

Maj Christopher Dyke, AFRC/A3OW
Chief, AF Reserve Weather Operations

CAO: 5 Jan 21

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Near Term projects

Pallets (ARWO, DSO)	Funding	Comments
ARWO Hardware/Software Upgrade	APPROVED	
Monitors	APPROVED	Working through final approvals
AVAPS	N/A	
Communications		
ARC210G6	APPROVED	
X/KU Band WBS	TESTING APPROVED	Awaiting testing results



Near Term projects

Ocean Sensing	Funding	Comments
AXBT Tube	APPROVED	Awaiting testing
AXBT Receiver	APPROVED	
Vertical Profiling		
nRD-41	APPROVED	Awaiting flight testing
SFMR		
Hardware/Firmware Upgrade	APPROVED	
Algorithm upgrade		



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Questions?

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