

Surveillance and Broadcast Services

Offshore Infrastructure Management and Engineering



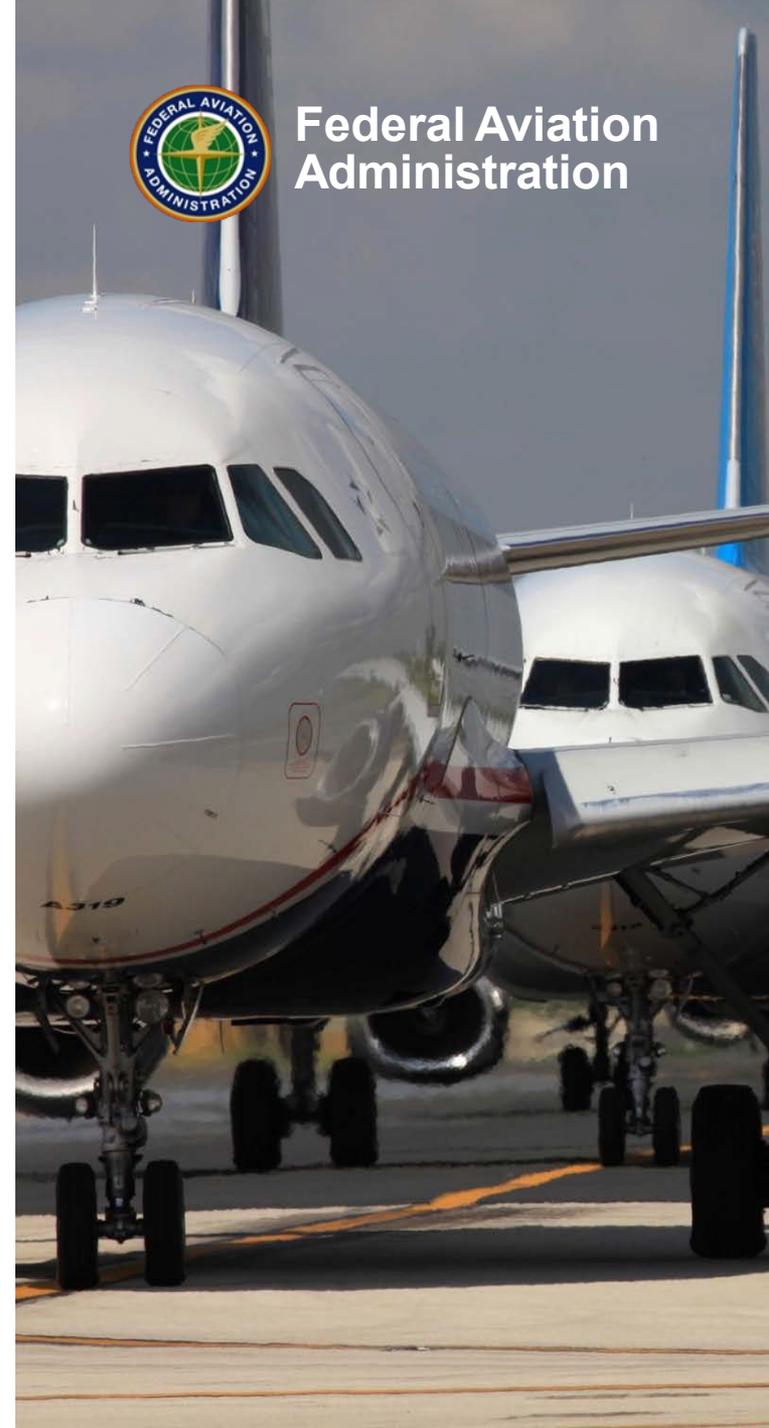
Presented to Helicopter Safety Advisory Conference

By: Rana Obeid, Federal Lead

Date: October 12, 2023



Federal Aviation Administration

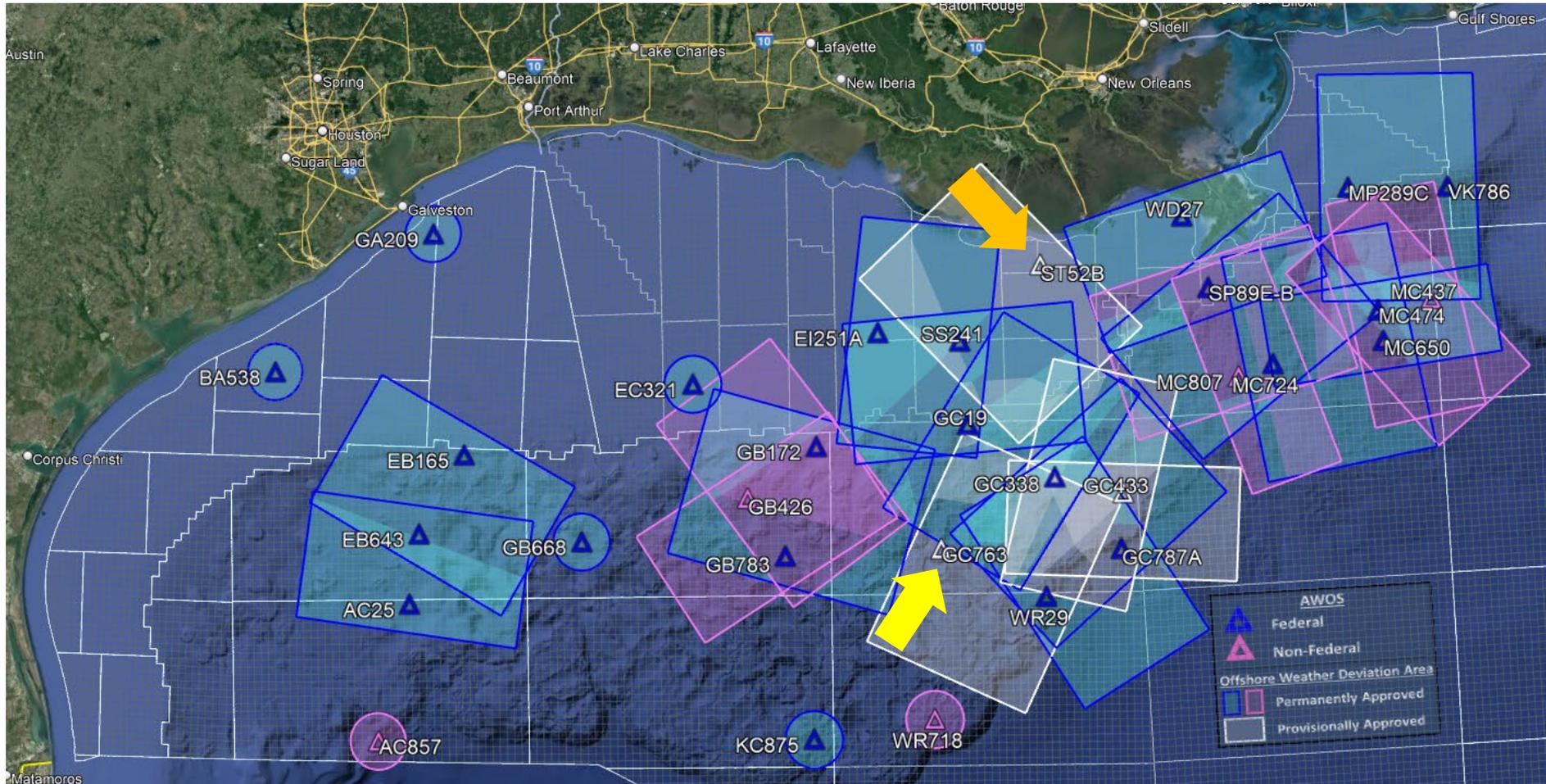


Agenda

- Regular Business
 - FAA Infrastructure Projects
 - AWOS, ADS-B, & VHF Comm Coverage
 - Installation Updates
- New Business
 - AIC Decisions
 - Community Awareness



AWOS Coverage – Oct 12, 2023



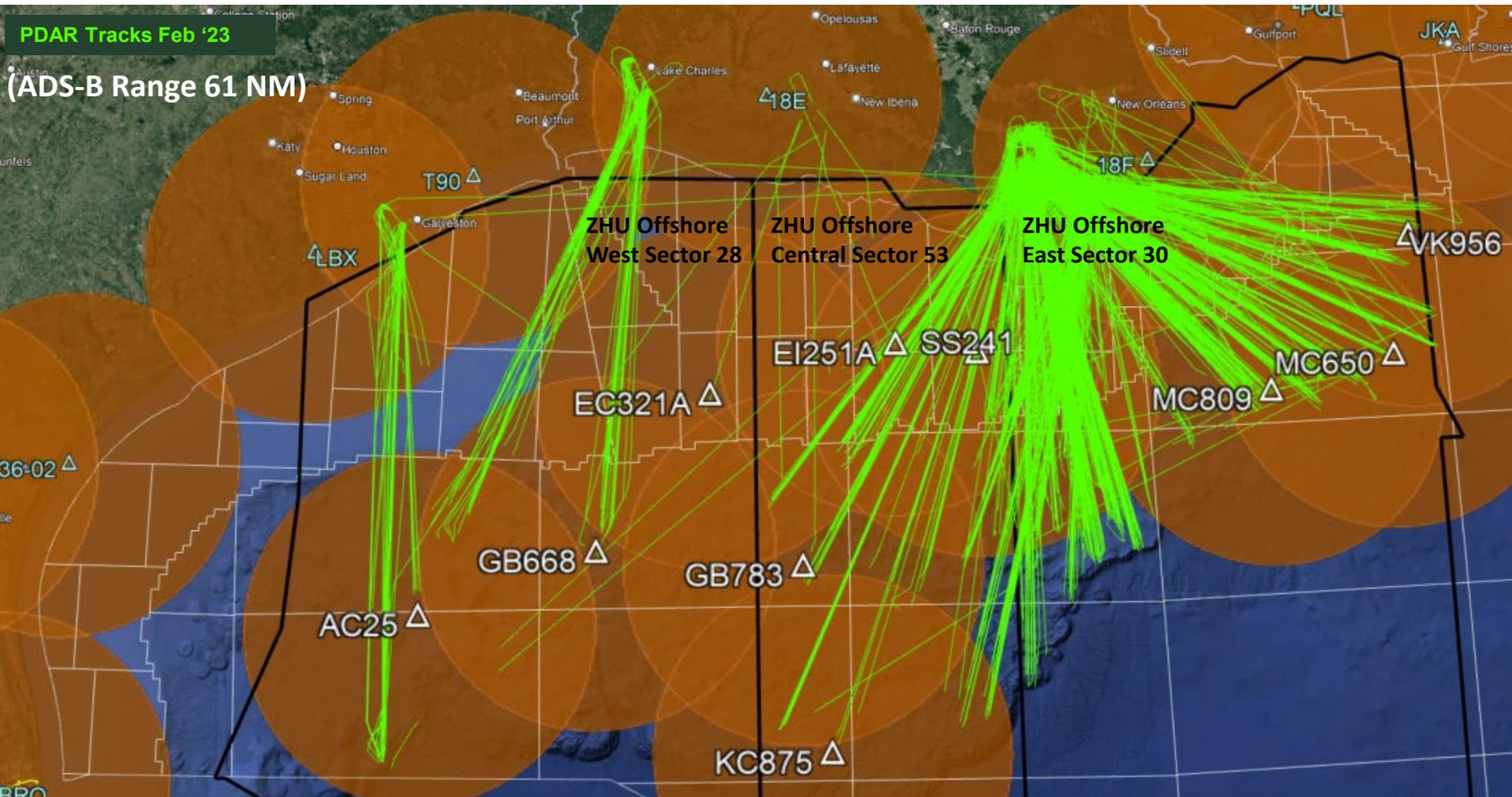
▲ Out of service due to hurricane damage
(none)

Federal AWOS Commissioned*: 27

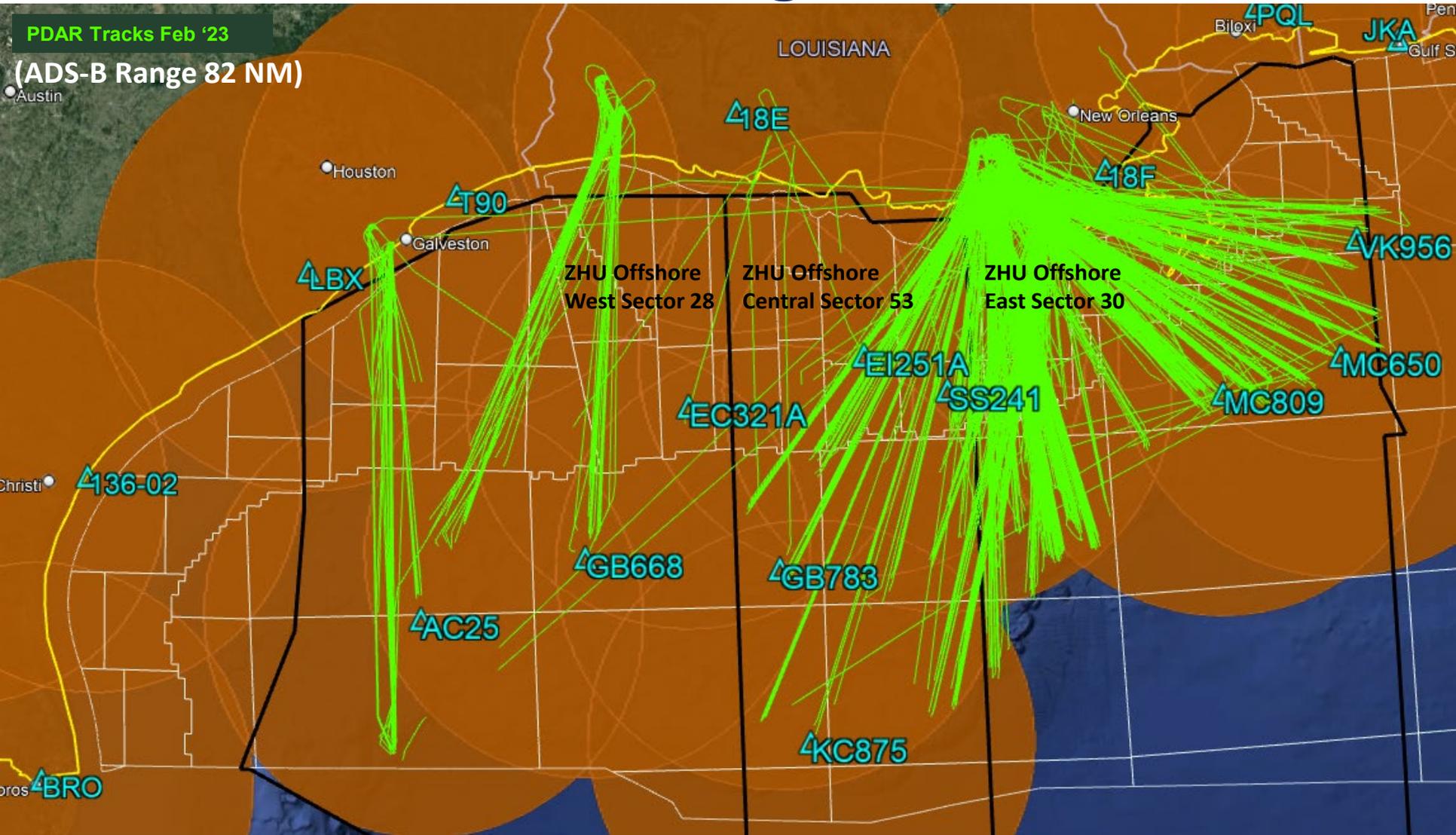
*AWOS may be temporarily out of service due to required maintenance



Current ADS-B Coverage 1500' MSL



Current ADS-B Coverage 3000' MSL



Presented to Helicopter Safety Advisory Conference
October 12, 2023

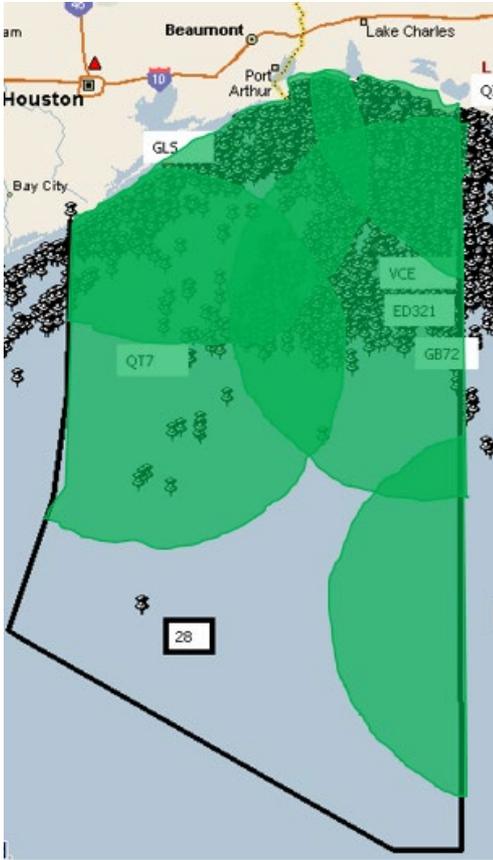


Federal Aviation
Administration

VHF Comm Coverage 3,000' MSL

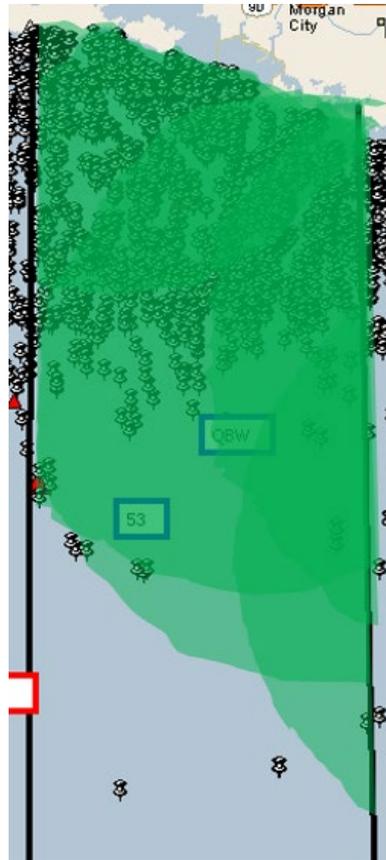
Offshore West / S28

GLS, QIC, QT7, EZP, 18H



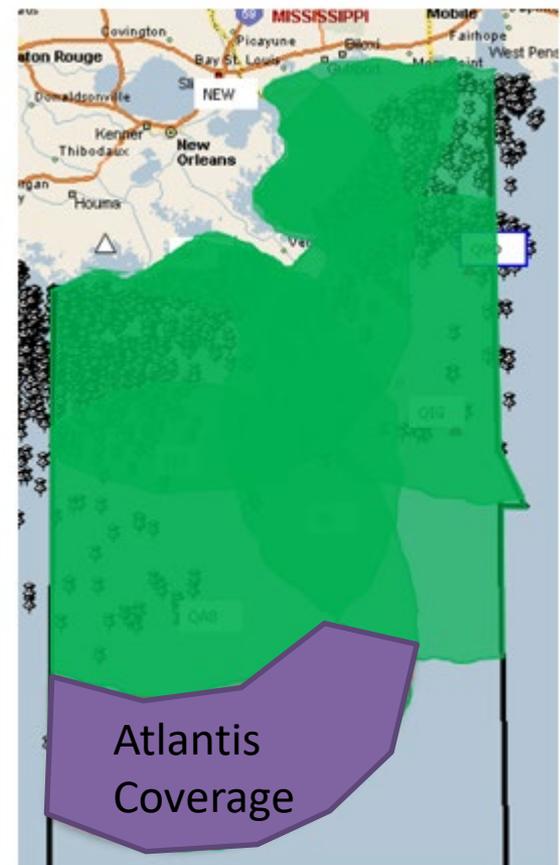
Offshore Central / S53

QIC, EKE, QA8, QBW, 18J

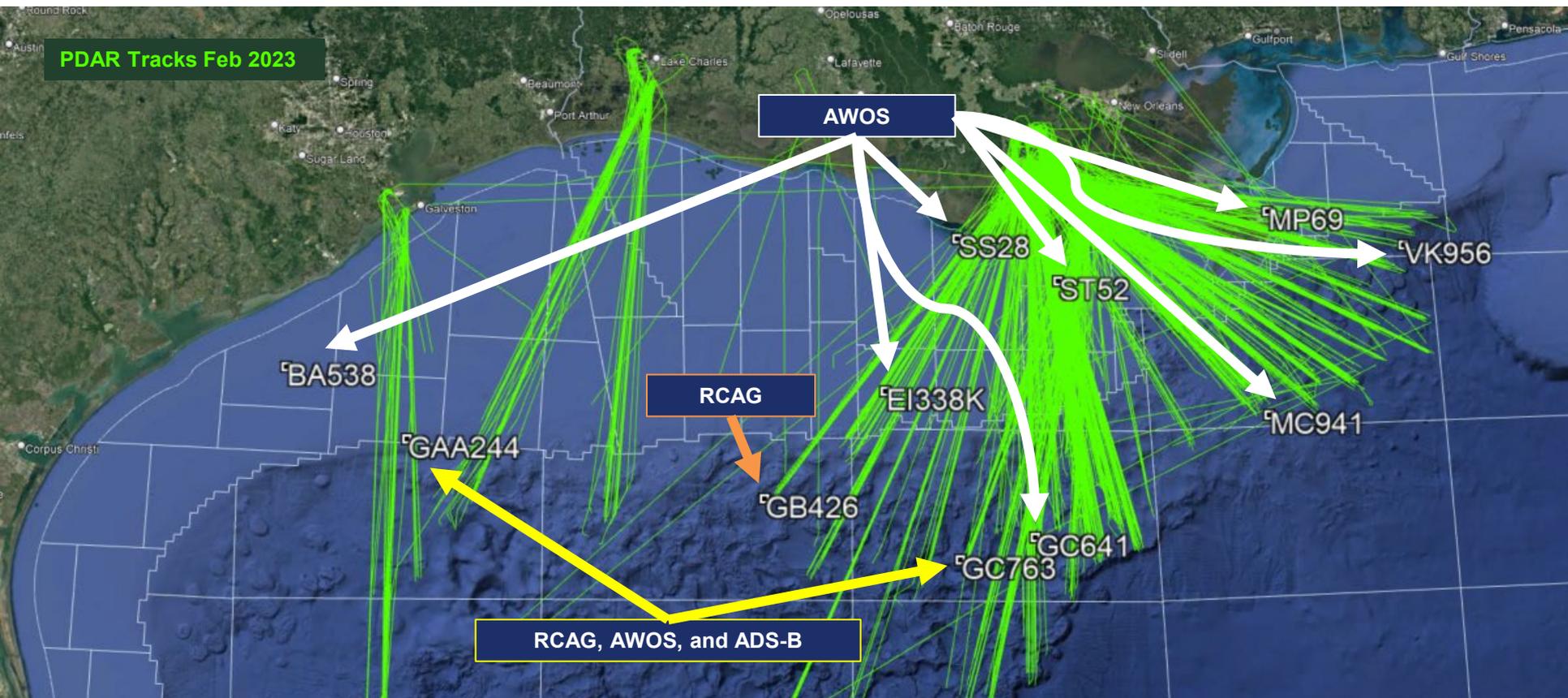


Offshore East / S30

GAO/GNI*, QA8, QVO, QIG, 18J



2023-24 Offshore Installation Projects



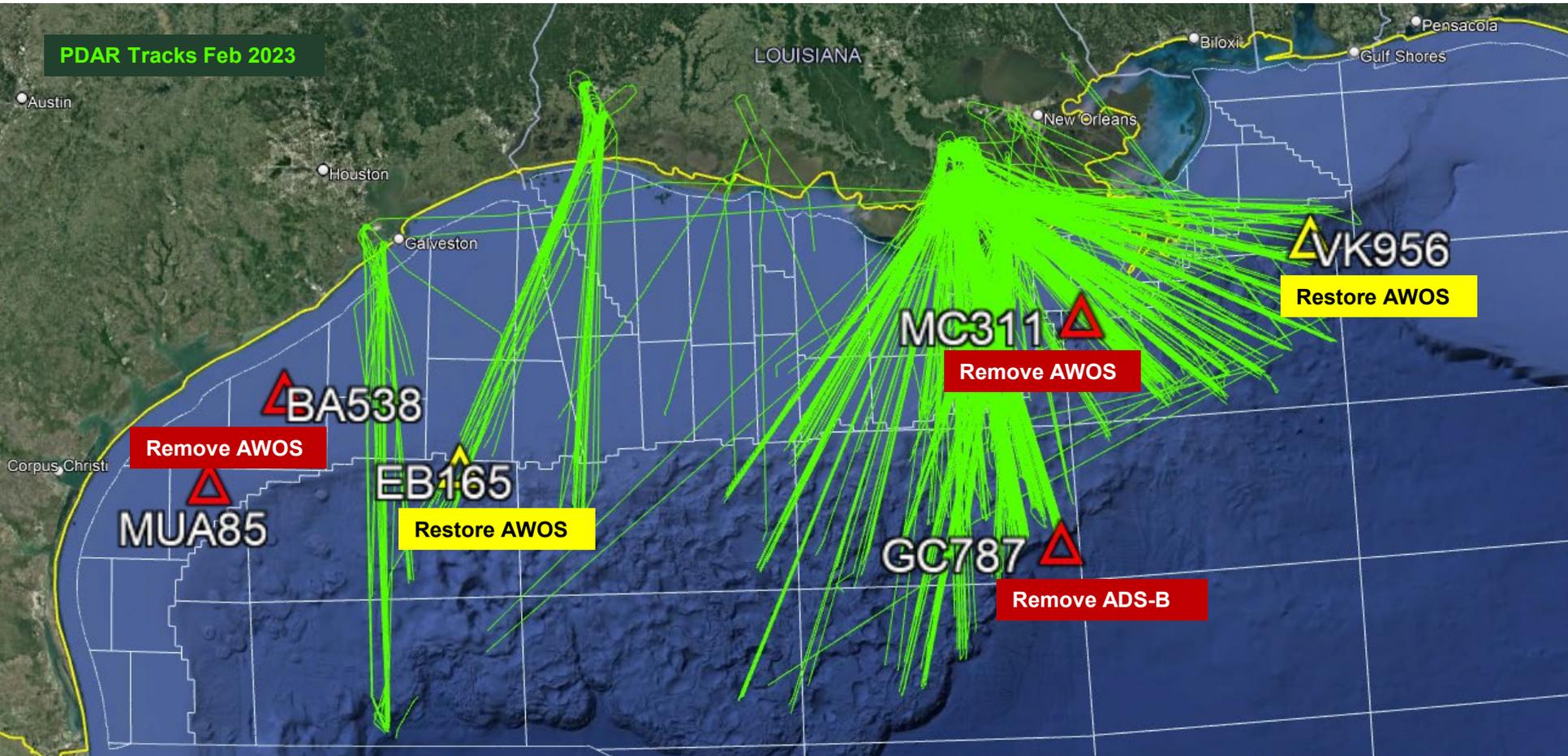
AWOS Projects:

- | | |
|----------------------------------|-----------------------------|
| ✓ Green Canyon 763 (Jun '23) | Ship Shoal 28P(Jul '24) |
| ✓ South Timbalier 52B (Jul '23) | Main Pass 69B (Jul '24) |
| Mississippi Canyon 941 (Nov '23) | Brazos 538 (Aug '24) |
| Eugene Island 338K (Feb '24) | Viosca Knoll 956 (Oct '24?) |
| Green Canyon 641 (Mar '24) | Galveston A244A ('24?) |

ADS-B/RCAG Projects:

- ADS-B, RCAG Green Canyon 763 (Nov '23)
- RCAG Garden Banks 426 (Aug '24)
- ADS-B, RCAG Galveston A244A ('24?)

2023-24 Offshore Sustainment Projects



- ✓ Remove AWOS South Marsh 268 (Jul '23)
- Remove Mustang Island A85A (Oct '23)
- Remove AWOS Mississippi Canyon 311 ('23?)
- Remove ADS-B Green Canyon 787 / ATP (Jan '24)

- Remove AWOS Brazos 538 (Jul '24)
- Restore AWOS East Break 165 (TBD)
- Replace ADS-B Viosca Knoll 956 Building (2024-25)

Projected AWOS Losses within 5 Years

1. Alaminos Canyon 25
2. East Breaks 165 - Seeking additional options
3. East Breaks 643A
4. East Cameron 321A
5. **Garden Banks 668**
6. Garden Banks 783
7. **Mustang Island 85A**
8. Main Pass 289C

- = No replacement identified, seeking replacement suggestions
- = Replacement not planned
- = Possible replacement identified

AIC Decisions

At the October 11, 2023 AIC meeting, FAA and industry stakeholders provided unanimous support to proceed with the following six efforts:

1. Decision to site survey High Island A264A for an AWOS installation
2. Decision to site survey West Cameron 167 for an AWOS installation
3. Decision to site survey Vermillion 149 for an AWOS installation
4. Decision to conduct a feasibility study for AWOS, ADS-B, VHF Comm at Green Canyon 780 / Argos
5. Decision to install an AWOS at South Timbalier 232 / Powerball
6. Decision to install an AWOS and replace an ADS-B building at Viosca Knoll 956 / Ram Powell

Closing Comments

FAA Infrastructure Status

- 2023 will be a very productive installation year! We will sustain / install:
 - 33 AWOS sites
 - 12 ADS-B sites
 - 11 VHF Comm sites

Closing Comments Continued...

1. **Houston Center (ZHU) Visit Coordination**
 - a. Reach out to us (Bob Herak)

2. **Resumed in-person outreach**
 - a. Helicopter operators – Ongoing
 - b. Energy companies – Ongoing
 - c. Industry conferences – NWS, HAI Heli Expo, OOC, COS

3. **Weather Box Expansion - Supporting Flight Standards (AFS)**

4. **Aggressive efforts to install new locations and identify locations for possible equipment installations**
 - a. 3 Agreements in coordination = 3 projects to start soon!
 - b. 5 site survey efforts

FAA OIM^e Team



Offshore Infrastructure Management and Engineering Team

Rana Obeid
Project Lead
202-386-9823
rana.obeid@faa.gov

Colleen Ahlers
Implementation Lead
202-515-0054 *recent change
cahlers@gems-inc.com

Allan Overbey
Project Manager
202-270-9175
adoverbey@gems-inc.com

Rhonda Carraway
Transportation
202-329-9285
rhonda@gems-inc.com

Billy Majeau
Project Manager
202-763-5844
wmajeau@gems-inc.com

Bob Herak
Air Traffic Requirements
216-509-8932
bherak@regulus-group.com

Jennifer Barker
Agreements Lead
202-375-4857
jbarker@gems-inc.com

Mitch Olshansky
Project Manager
202-836-5251
molshansky@regulus-group.com