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The Space Congress® Proceedings

2019 (46th) Light the Fire

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Jun 4th, 11:30 AM

## Lunch Keynote: Halfway There - On the Drive to 48

Thomas R. Ste. Marie  
*Vice Commander, 45th Space Wing*

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Aeronautical University™  
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# THE WORLD'S PREMIER GATEWAY TO SPACE



## Halfway There – On the Drive to 48

Colonel Thomas Ste. Marie  
Vice Commander



### DRIVE TO 48



# Mission, Vision & Priorities

**MISSION:** Deliver Assured Access to Space for the Warfighter and the Nation

**VISION:** The World's Premier Gateway to Space

**PRIORITIES:**



**100% Mission Success**

**PRIORITY #1**

- Disciplined & Safe Execution
- Full Spectrum Readiness
- World Class Customer Support



**Shape the Future**

**PRIORITY #2**

- Revitalize Squadrons
- Transform the Enterprise
- Innovate at Every Level



**Invest in People**

**PRIORITY #3**

- Foster a Culture of Dignity & Respect
- Deliberately Develop Our Personnel
- Take Care of Our Family

**DRIVE TO 48**



# Organization



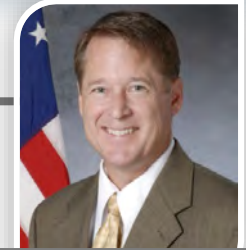
**Brigadier General Douglas Schiess**  
Commander



**Colonel Thomas Ste. Marie**  
Vice Commander



**CMSgt Scott King**  
Command Chief



**Mr. Gregg Kraver**  
Executive Director



**45th Operations Group**  
Colonel Steven Lang

- 550+ Personnel
- Controls Eastern Range
- Mission Assurance for all DoD satellites and Launch Vehicles
- Final "GO" call
- \$20B in Tracking Assets



**45th Mission Support Group**  
Colonel Kevin Williams

- 1500+ Personnel
- "Roads and Commodes"
- Installation Defense
- Personnel Management
- MWR/Community Support
- Infrastructure operations & maintenance



**45th Medical Group**  
Colonel Gigi Simko

- 300+ Personnel
- 11 Clinics
- 96K Patients Annually
- 9,000 Prescriptions Weekly
- 10th Busiest Pharmacy in Air Force

**DRIVE TO 48**



# Mission Partners



**CAPT Jason Wartell**  
Commander  
NOTU



**Col Kurt Matthews**  
Commander  
920 RQW Wing



**Col Chad Hartman**  
Commander  
AFTAC



**COL Mary Martin**  
Commandant  
DEOMI



**Mr. Robert Cabana**  
Director  
Kennedy Space Center

**74 TOTAL MISSION PARTNERS**



# Control of the Battlefield Begins with Airmen!

45 SW: 5,295 personnel



892  
Military



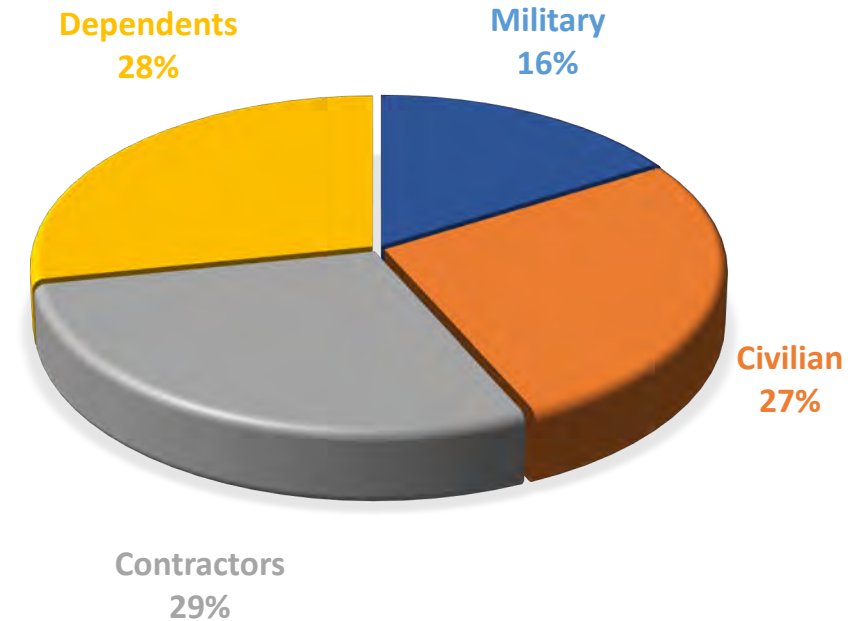
1,484  
Civilian



1,569  
Contractors



1,548  
Dependents



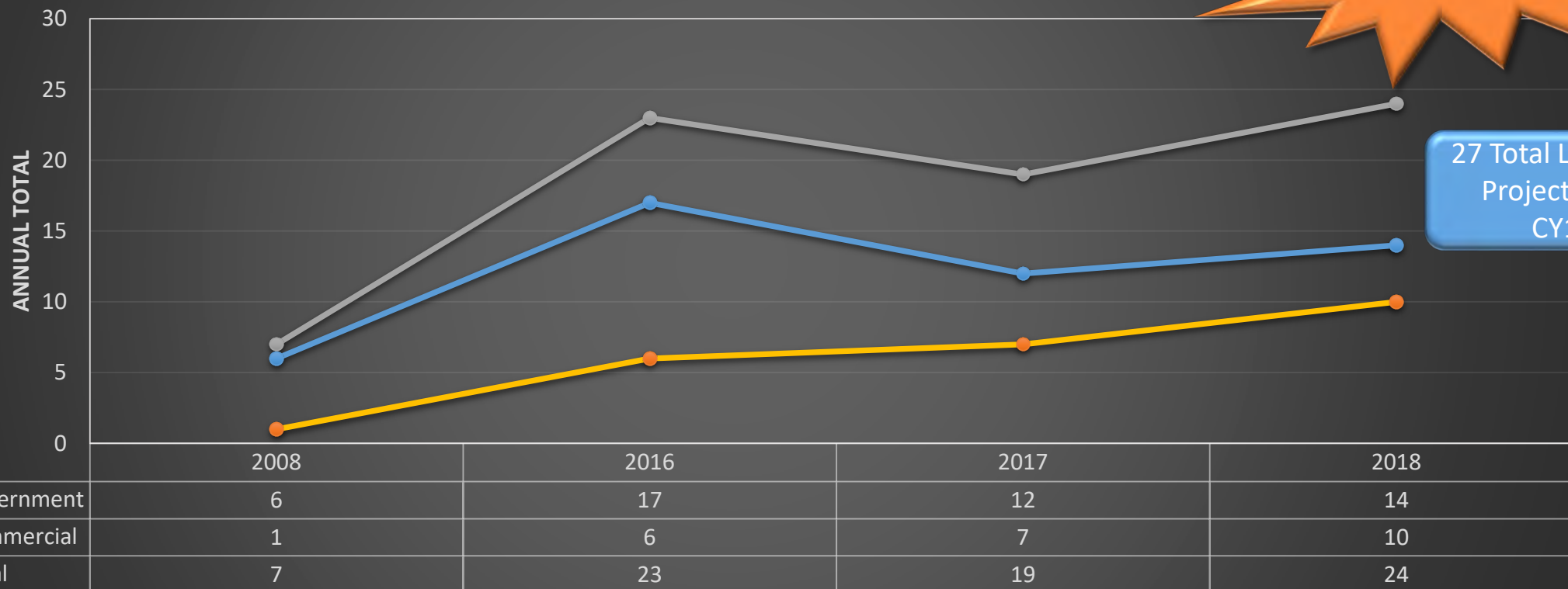
**Team Patrick-Cape: 15,687 personnel**  
**5,366 Military Dependents**

**DRIVE TO 48**



# On the Way to 48

## 45 SW Launch Count



7 Major Launches to Date for CY19!

27 Total Launches Projected for CY19

# 3,596 Total Launches to Date

## **DRIVE TO 48**



# 2018 in Review



***HALFWAY TO 48!***





# How Did We Do It...



Virtual Reality  
Training System



Organizational  
Consolidations



Templating

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# On the Way to 48

## Range Communications Facility



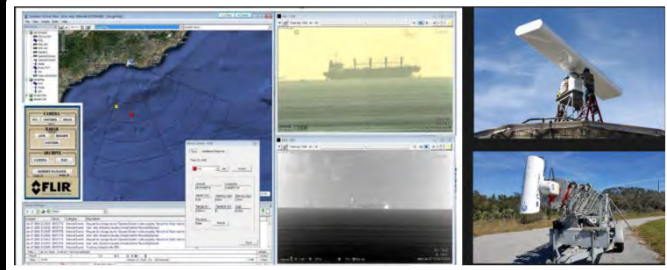
- New, state of the art facility to accommodate modern communication equipment
  - 9 major systems affecting both mission/launch support as well as administrative support
  - Provides commercial network operating location supporting non DoD organizations
- Construction Estimated Completion Date: Aug 2019
- Relocation Estimated Completion Date: Feb 2023

**DRIVE TO 48**



# Combat Development Division

## SEA SURVEILLANCE



## MOBILE TELEMETRY CONCEPT

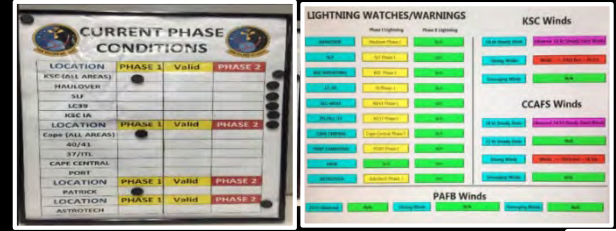


## MISSION INFORMATION DISTRIBUTION ARCHIVE SYSTEM

### MIDAS



## WEATHER WARNING STATUS AUTOMATION



BEFORE

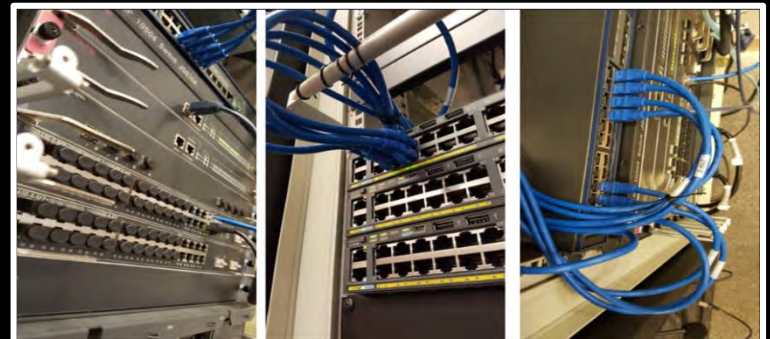
AFTER

## STARGATE

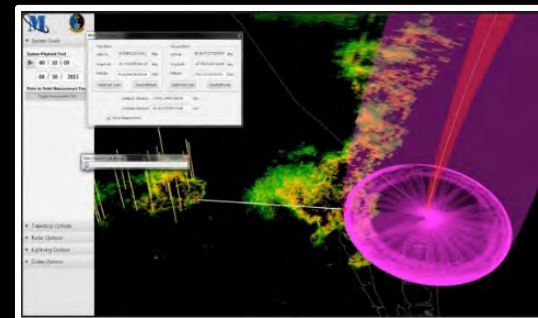


## SECURE INDEPENDENT MISSION NETWORK

### SIMN



## 3D WEATHER VISUALIZATION



# DRIVE TO 48



# Shaping the Future



SLS



DREAM CHASER

STARSHIP



TERRAN 1



VULCAN



OMEGA



## DRIVE TO 48



# Upcoming Launches



FALCON HEAVY  
STP-2



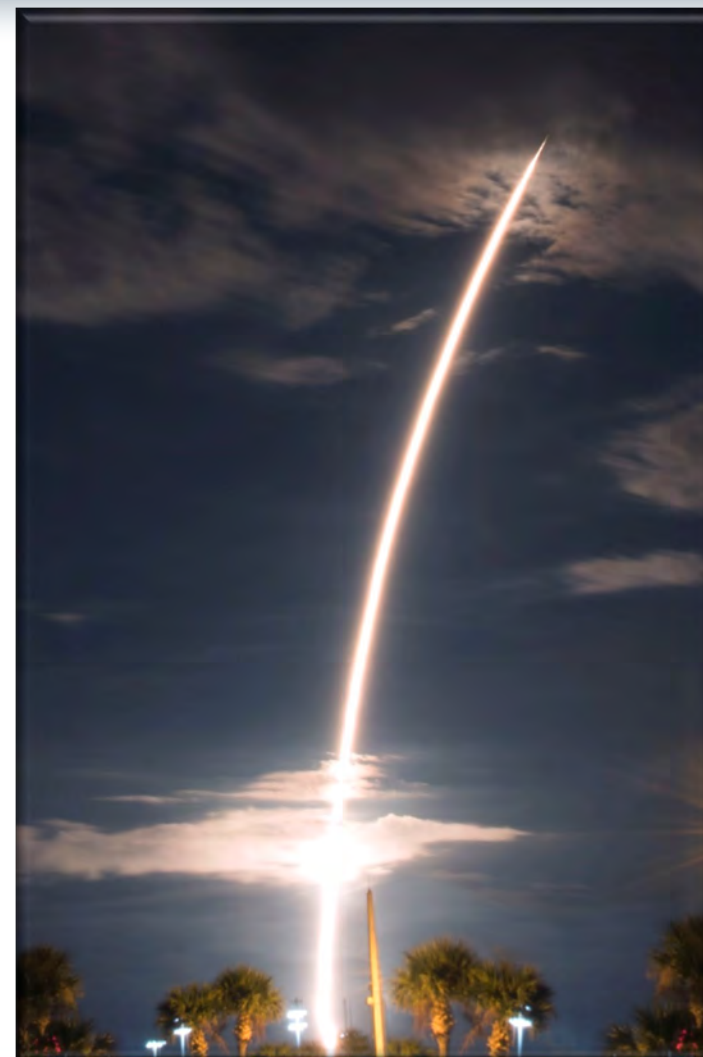
ATLAS V  
AEHF-5



MINOTAUR IV  
AA-2



DELTA IV  
GPS III-1



**DRIVE TO 48**