

The background of the slide is a deep space image featuring a dark field filled with numerous small, distant stars. Two prominent, colorful spiral galaxies are visible, one in the upper right and another in the lower left, glowing with shades of red, orange, and blue. In the top right corner, there is a white, stylized logo that resembles a four-pointed star or a compass rose.

NASA Supplier Assessments at Lockheed Martin Space Systems Company

Regina Palmer
Lockheed Martin Space Systems Company
Sensing & Exploration Systems (S&ES) Line of Business (LOB)
Quality Assurance Director

METEOROLOGY AND EARTH SCIENCE

Defense Meteorological
Satellite Program (DMSP)



Television Infrared
Observation Satellite (TIROS)



Courtesy: NASA

(All Flying)



Courtesy: NASA



Courtesy: NASA

International Space
Station (ISS)



SUVI



GLM

GOES-R



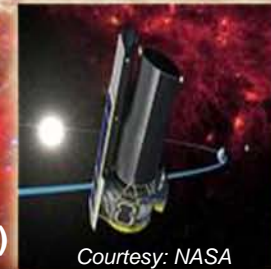
Near Infrared Camera (NIRCam)

ASTRONOMY AND PHYSICS



Courtesy: NASA

Hubble Space Telescope
(HST)



Courtesy: NASA

Spitzer Space
Telescope
(formerly SIRT)

MARS AND SOLAR SYSTEM EXPLORATION



ASRG



2001
Mars
Odyssey



Mars
Reconnaissance
Orbiter
(MRO)



MAVEN



Phoenix
(Completed)
Courtesy: NASA



Mars Science
Laboratory
(MSL)



Stardust NeXT



Courtesy: NASA

Juno



GRAIL

Lockheed Martin Facilities



West Coast Operations
Sunnyvale - Palo Alto, CA

ISS, TIROS, DMSP,
GLM, SUVI, NIRCam,
IRIS



Space Power
Valley Forge, PA

ASRG



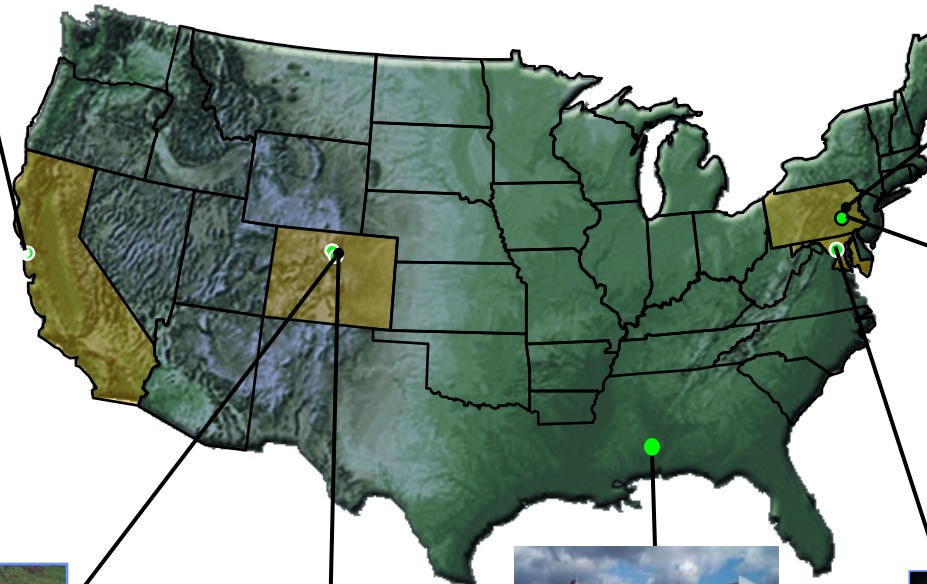
Commercial Space
Newtown, PA

GOES-R



Space Exploration Systems
Denver, CO

Odyssey, Stardust, Spitzer,
MRO, Phoenix, MSL, Juno,
GRAIL, MAVEN, GOES-R



Stennis, MS

GOES-R



Coherent Technologies
Louisville, CO

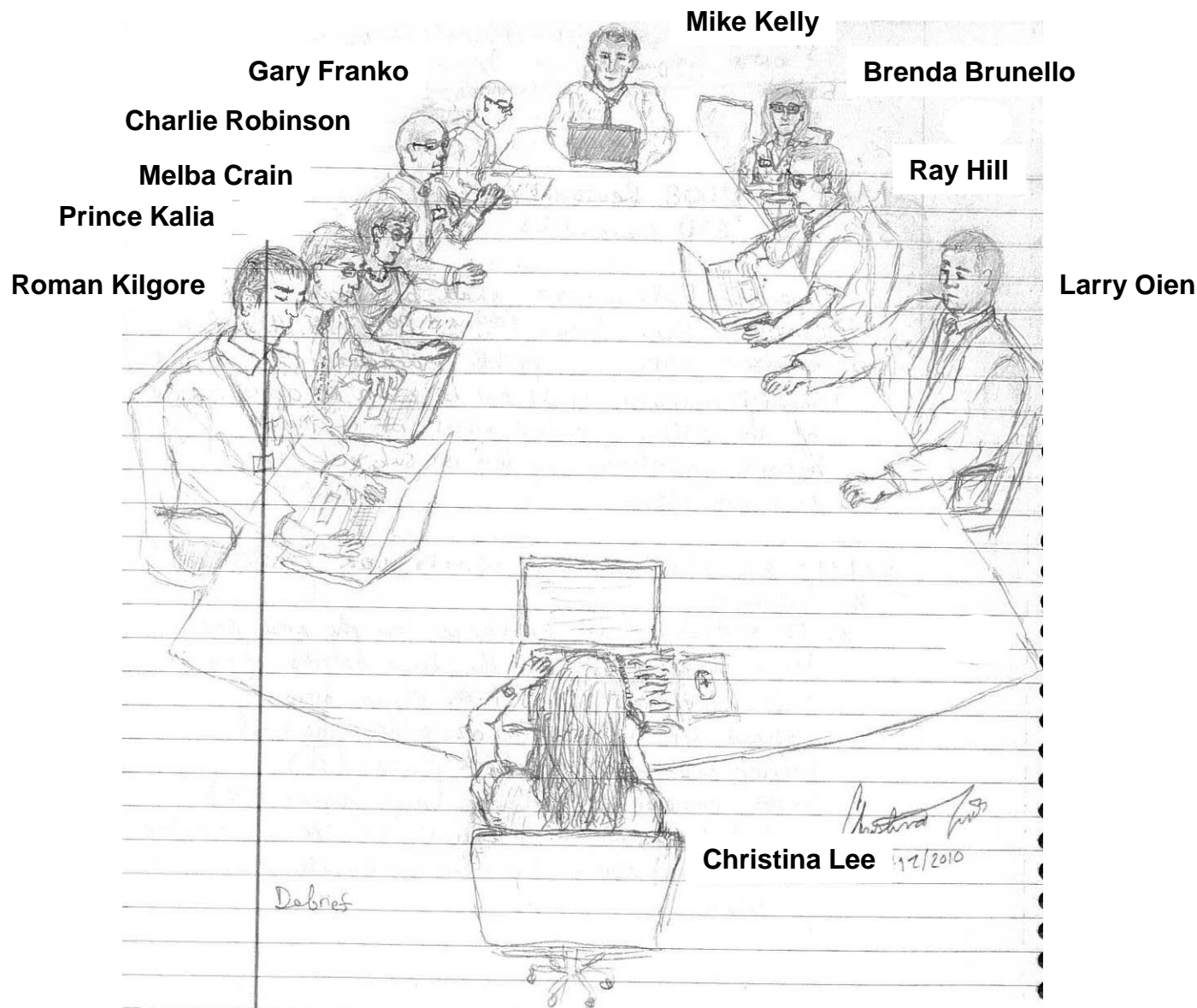
WindTracer®, ARPOD, WANDER,
Biometrics, Guidestar



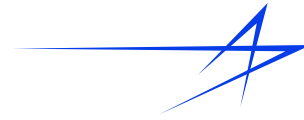
East Coast Operations
Greenbelt, MD

HST, GOES-R

NASA Intern's View of the NASA NCAS Assessment Team at the Recent Denver Assessment

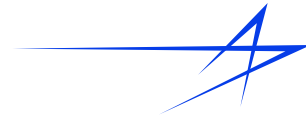


NASA NCAS Assessment Evolution



- **Assessments at Lockheed Martin Started in 2002 with NASA SAC (Supplier Assessment Contract) Audits and Evolved to NASA NCAS Assessments**
- **Assessments Conducted at Various Lockheed Martin Sites:**
 - **Denver**
 - **Sunnyvale**
 - **Palo Alto**
 - **Newtown**
 - **Stennis**
- **Assessments Cover Hardware, Software and Processes Randomly Sampled/or 100% Reviewed for Objective Evidence**
- **Findings/Observations Identify Processes that Require Improvement/Evaluation**
- **Identify Best Practices**

Breakdown of Findings/Observations from Previous NASA NCAS Assessments

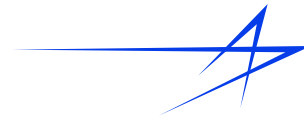


Process Changes	Use-As-Is	Corrected	Training
56%	23%	17%	4%

- Process Changes—Process changes made
- Use-As-Is—Processes sufficient to meet requirements
- Corrected—issue/concern resolved
- Training—personnel re-trained

Closed Loop Resolution Process

Summary



- **Multidiscipline Approach Makes Effective Assessments**
- **Assessment Team engaged in physical verification of hardware, software and processes instead of paper**
- **Provides communication of lessons learned and best practices**
- **Value Assessment Team – Gives insight into capabilities of suppliers**

It's All About Mission Success