



Alpha Magnetic Spectrometer



Alpha Magnetic Spectrometer – 02 Phase II Ground Safety Review

KSC Ground Support Equipment and Tools

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Timothy J. Urban / ESCG / Barrios Technology



Alpha Magnetic Spectrometer – 02

Ground Safety Review Panel



Alpha Magnetic Spectrometer

Ground Support Equipment from KSC

SSPF:

- ELC Rotation Stand
- PRCU & cables
- PEPSE & cables
- ROEU ODA Simulator
- ACASS
- Standard Web Slings
- Shackles
- Dunnage
- Forklift
- Pallet Jacks
- EBCS Alignment Target and GSE Rack
- Laser Tracker / Boeing DPA / Metrology System
- Equipment Carts
- Scaffolding (personnel)
- Bottle Jacks
- Drill
- Shop-Vac
- Cleaning Supplies
- Chilled Water System
- External Vent Lines
- Air Bearing Pads
- Air Fittings (Manifolds us/KSC)
- O₂ Sensors



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Ground Support Equipment from KSC

MLP / PCR: (POPIT II and post-Payload Integration)

- ROEU ODA Simulator
- 120VDC Power Supply
- Chilled Water System
- External Vent Lines
- PGHM Access Platforms

OPF (Orbiter Sill-side Test)

- ROEU ODA Simulator
- Ku Ground Systems
- MILA & MRS systems

Canister / Transporter

- 110 VAC Power Interface
- 120 VDC Power Interface
- Data / Comm Interfaces



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Tools

- AMS-02 will rely primarily on standard tools from AMS-provided tool boxes
- May request KSC tools as required
- Any tools unique to AMS-02 will be provided by the payload organization

Controls

- Tool logs will be maintained in payload processing areas in the SSPF and PCR
- All tools will be tethered
- Ferrous tools will be limited
- Training program will be implemented
- Personnel logging/access control
- Clean room garment protocol implemented