

IMPACT Development Responsibilities

2000-July 25 Dave Curtis

1. IDPU - UCB/Curtis
 - 1.1. Processor and Interface boards - UCB/Curtis
 - 1.2. LVPS - UCB/Berg
 - 1.3. MAG Interface board - GSFC/Acuna
 - 1.4. Mechanical - UCB/Ullrich
 - 1.5. Software - UCB/Curtis
 - 1.5.1. PLASTIC Requirements - UNH/Galvin
 - 1.5.2. MAG Requirements - GSFC/Acuna
 - 1.5.3. SWEA Requirements - UCB/Larson
 - 1.5.4. STE Requirements - UCB/Larson
 - 1.5.5. SEP Requirements - Caltech/Cook
 - 1.5.6. Burst Memory Requirements - UCB/Larson
 - 1.5.7. Spacecraft Interface Requirements - UCB/Curtis
 - 1.6. IDPU Simulator GSE - UCB/GSE
 - 1.6.1. Interface Simulator Hardware & Common Software - UCB/GSE
 - 1.6.2. SEP Display Software - JPL/Wiedenbeck
 - 1.6.3. PLASTIC Display Software - UNH/Galvin
 - 1.6.4. SWEA/STE Display Software - UCB/GSE
 - 1.7. Spacecraft Emulator GSE - UCB/Curtis
 - 1.7.1. Interface Simulator Hardware - APL
 - 1.7.2. Command & Display system - UCB/Hashii
 - 1.7.3. PLASTIC Science Displays - UNH/Galvin
 - 1.7.4. SEP Science Displays - JPL/Wiedenbeck
 - 1.7.5. SWEA Science Displays - UCB/Hashii
 - 1.7.6. STE Science Displays - UCB/Hashii
 - 1.7.7. MAG Science Displays - UCB/Hashii
 - 1.8. PLASTIC Emulator - UNH/Galvin
2. SWEA - CESR/Cotin
 - 2.1. Optics Design - CESR/Sauvaud-Fedorov (with help from UCB/Larson)
 - 2.2. Analyzer - CESR/Rouzaud
 - 2.3. MCP - CESR/Medale
 - 2.4. Preamps - CESR/Medale
 - 2.5. HVPS - CESR/Medale
 - 2.6. Electronics Box - CESR/Rouzaud
 - 2.7. Thermal Model - CESR/Cassagnol
 - 2.8. SWEA Analyzer calibration/test GSE (without interface electronics) - CESR/Louarn
 - 2.9. SWEA/STE Interface Electronics - UCB/Curtis
 - 2.10. SWEA/STE LVPS (incl. STE bias) - UCB/Berg
 - 2.11. SWEA Baseplate - UCB/Ullrich
 - 2.12. SWEA calibration (with interface electronics) - UCB/Larson
3. STE - UCB/Larson
 - 3.1. Optics Design - UCB/Larson

- 3.2. SSD - LBNL/Ludewigt
- 3.3. Preamps/PHA - UCB/Primbsch (design from LBNL)
- 3.4. Mechanical - UCB/Ullrich
- 3.5. Thermal Model - UCB/Ullrich
- 3.6. STE Calibration - UCB/Larson
- 4. MAG Sensor - GSFC/Acuna
- 5. IMPACT Boom - UCB/Ullrich
 - 5.1. Mechanical - UCB/Ullrich
 - 5.2. Thermal - UCB/Ullrich
- 6. SEP - GSFC/von Roseninge.
 - 6.1. SEP Common Electronics - Caltech/Cook
 - 6.1.1. SEP CPU Simulator GSE - Caltech/Cook
 - 6.2. Software - Caltech/Davis
 - 6.2.1. SIT requirements - U.Md/Mason
 - 6.2.2. SEPT Requirements - Keil/Muller-Mellin
 - 6.2.3. HET Requirements - Caltech/Mewaldt
 - 6.2.4. LET Requirements - GSFC/von Roseninge.
 - 6.2.5. IDPU Interface Requirements - Caltech/Cook
 - 6.3. LVPS - UCB/Berg
 - 6.4. Bias Supply - Caltech/Cook
 - 6.5. Thermal Design - GSFC/von Roseninge.
 - 6.6. SEP Integration - Caltech/Cook
 - 6.7. SIT - U.Md/Mason
 - 6.7.1. Optics Design - U.Md/Walpole
 - 6.7.2. SSD - U.Md/Walpole
 - 6.7.3. MCP - U.Md/Walpole
 - 6.7.4. HVPS - UCB/Berg
 - 6.7.5. PHA ASIC - Caltech/Cook
 - 6.7.6. TOF - MPI/Korth
 - 6.7.7. Interface Logic - U.Md/Walpole
 - 6.7.8. Mechanical - GSFC/von Roseninge.
 - 6.7.9. Thermal Model - U.Md/Walpole
 - 6.7.10. SIT Calibration - U.Md/Dwyer
 - 6.8. SEPT Keil/Muller-Mellin
 - 6.8.1. Optics Design - Keil/Muller-Mellin
 - 6.8.2. SSD - Keil/Muller-Mellin
 - 6.8.3. PDFE - ESTEC/Falkner
 - 6.8.4. Test Pulser - ESTEC/Falkner (TBC)
 - 6.8.5. Accumulator/Interface - ESTEC/Falkner
(with Caltech/Cook)
 - 6.8.6. Mechanical - Keil/Muller-Mellin
(with modeling/analysis from ESTEC)
 - 6.8.7. Thermal Model - ESTEC? TBD
 - 6.8.8. SEPT Calibration - Keil/Muller-Mellin
 - 6.9. HET - Caltech/Mewaldt
 - 6.9.1. Optics Design - JPL/Wiedenbeck

- 6.9.2. SSD - JPL/Wiedenbeck
- 6.9.3. PHA ASIC - Caltech/Cook
- 6.9.4. Test Pulser - Caltech/Cook
- 6.9.5. Interface Logic - Caltech/Cook
- 6.9.6. Mechanical - GSFC/von Rosenvinge
- 6.9.7. Thermal Model - GSFC/von Rosenvinge
- 6.9.8. HET Calibration - JPL/Mewaldt
- 6.10. LET - GSFC/von Rosenvinge.
 - 6.10.1. Optics Design - JPL/Wiedenbeck
 - 6.10.2. SSD - JPL/Wiedenbeck
 - 6.10.3. PHA ASIC - Caltech/Cook
 - 6.10.4. Test Pulser - Caltech/Cook
 - 6.10.5. Interface Logic - Caltech/Cook
 - 6.10.6. Mechanical - GSFC/von Rosenvinge
 - 6.10.7. Thermal Model - GSFC/von Rosenvinge
 - 6.10.8. LET Calibration - JPL/Wiedenbeck
- 7. Harness
 - 7.1. IDPU/PLASTIC Harness - UNH/Galvin
 - 7.2. IDPU/SEP Harness - UCB/Curtis
 - 7.3. IDPU/SWEA Harness - UCB/Curtis
 - 7.4. IDPU/MAG Harness - GSFC/Acuna
 - 7.5. STE/SWEA Harness - UCB/Curtis
- 8. IMPACT Integration & Test - UCB/Curtis