

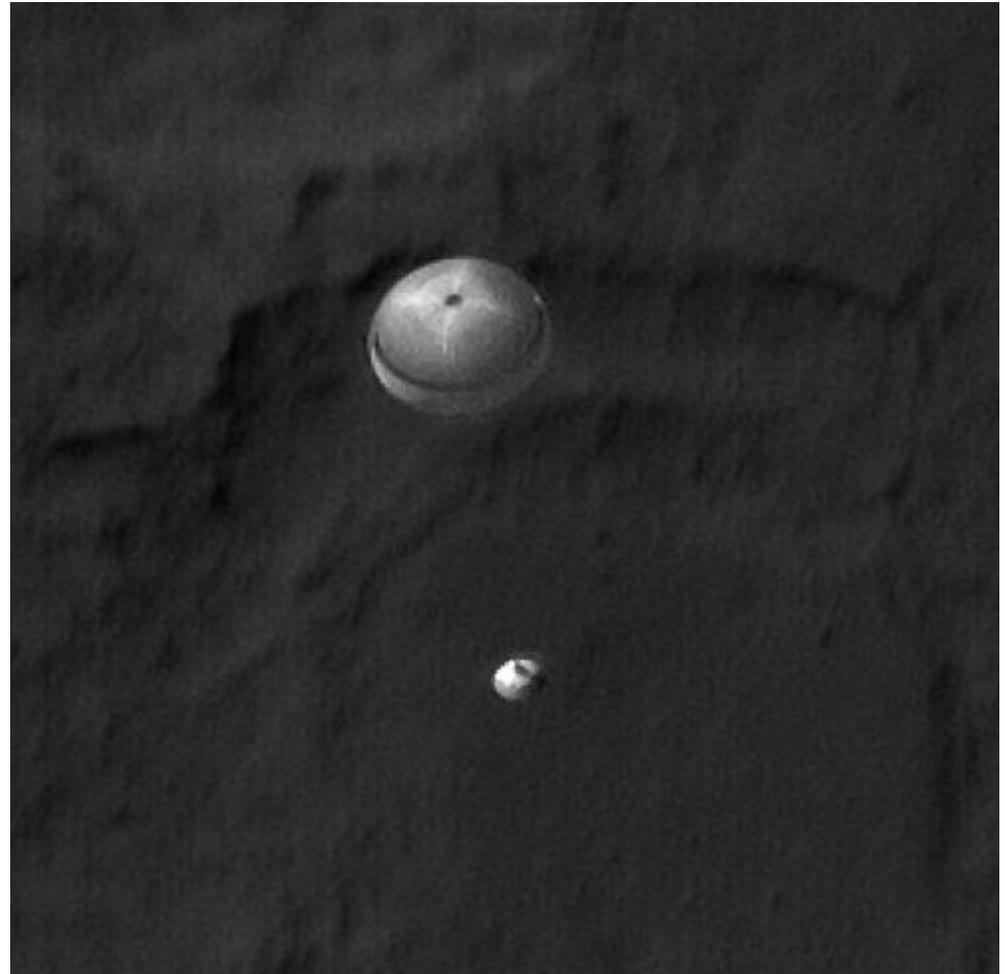
MSL Archive Development Status

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**MC Face-to-Face Meeting
UCLA
November 28-29, 2012**

MSL Mission Timeline

- August 6, 2012:
Landing, start of operations
- February 6, 2013:
First delivery to PDS,
sols 0-89
- February 27, 2013:
First release of data by
PDS to public
- Subsequent releases
every 90 sols (~3
months)



MSL Peer Review Status

Data Set	Not ready	Started	Lien res.	Complete
APXS EDR			X	
APXS RDR	X	(no projected start date)		
ChemCam EDR			X	
ChemCam RDR	X	(should start this week)		
CheMin EDR				X
CheMin RDR				X
DAN EDR				X
DAN RDR			X	
Eng. Cameras EDR			X	
Eng. Cameras RDR			X	
MSSS Cameras EDR/RDR	X			
RAD EDR			X	
RAD RDR	X	(should start before end of December)		
REMS EDR/RDR			X	
SAM RDR			X	

MSL Peer Review Status

- Notes
 - All EDR data sets (except those from MSSS) are produced by the MSL Operations Product Generation Subsystem (OPGS, aka MIPL) and delivered to the instrument teams and to PDS.
 - EDR peer reviews that are still in lien resolution are generally waiting for SIS updates to be made by OPGS.
 - All RDR data sets are produced by the instrument teams and delivered to PDS.
 - RDR peer reviews that have not started yet are waiting for teams to provide sample data products and documentation for review.

MSL End-to-End Delivery Tests

Data Set	E2E Test 1	E2E Test 2	E2E Test 3
APXS EDR	Passed	In progress	
APXS RDR	Passed	Not ready	
ChemCam EDR	Passed	In progress	
ChemCam RDR	Passed	Passed	
CheMin EDR	Passed	In progress	
CheMin RDR	Passed	Passed	
DAN EDR	Passed	In progress	
DAN RDR	Passed	Passed	
Eng. Cameras EDR	Passed	In progress	
Eng. Cameras RDR	Passed	Not ready	
MSSS Cameras EDR/RDR	Passed	Passed*	
RAD EDR	Passed	In progress	
RAD RDR	Passed	Not ready	
REMS EDR	Passed	In progress	
REMS RDR	Passed	Not ready	
SAM RDR	Passed	Passed	

MSL End-to-End Delivery Tests

- Test Definitions
 - Test 1: Delivery of at least one sample data product to PDS.
 - Test 2: Delivery of skeleton archive volume with at least one sample data product.
 - Test 3: Delivery of complete archive volume with many data products, real ones if possible.
- Notes
 - All EDR tests (except MSSS) are three-way tests involving the instrument team, OPGS, and PDS.
 - None of these EDR tests is complete yet. The procedure for assembling each EDR archive – a procedure determined by OPGS -- is complicated and unfamiliar to all parties.
 - It's a good thing we're testing it.
 - RDR tests, on the other hand, are in good shape.
 - Test 3 was scheduled to take place Dec. 10-11, but things have changed...

Preparation for First Delivery

- 11/26/12: OPGS, recognizing that corrections are needed, proposed a schedule for reprocessing EDR products before Delivery 1.
 - If teams concur, reprocessing will take place 12/19/12 – 2/5/13.
 - Will include corrections of errors found using Vtool.
 - EDRs will still be delivered to PDS on original schedule, by 2/6/13.
 - Since teams need corrected EDRs to generate RDRs, the RDR delivery will be postponed three weeks, to 2/27/13, with a release on 3/20/13.
- This schedule renders E2E Test 3 useless, because it would take place before the reprocessing has been done and therefore would not be testing archive-ready products. There's no time to do the test after reprocessing. So Test 3 is canceled.

Issues and Concerns

- There are still many keywords and values in the MSL Local Data Dictionary and the PDS Data Dictionary that are unsettled. Betty Sword is doing her best to coordinate with OPGS, but some are hard to pin down.
- MSSS is still far behind all other teams.
 - They have ninety-some proposed new keywords that are still TBD.
 - Only 14 of their many product types will be ready for review in December and presumably release in February. A second review will have to cover the remainder.
- Even without considering MSSS, there is still a high likelihood that some data sets may not be PDS-compliant in time for release.