

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
1	1	System Engineering									
2	1.1	Management									
3	1.1.1	Hold Technical Session	DC, JSH	9/4/06	10/25/06	100.0%					
4	1.2	Standards									
5	1.2.1	PDS standards development and maintenance	ER	9/27/06	9/24/07	100.0%					
6	1.2.1.1	Manage SCR Queue	ER	9/27/06	9/24/07	100.0%					
7	1.2.1.2	Clean-up PDS3 Standards	ER	6/27/06	9/28/08	100.0%					
8	1.2.1.3	Maintain Standards WebSite	ER	9/27/06	9/24/07	100.0%					
9	1.2.1.4	Update Standards Process		5/7/07	7/27/07	100.0%					
10	1.2.2	Address VTOOL dvlp std issues		6/6/06	3/31/07	100.0%					
11	1.2.3	Support IPDA/PDS4 Standards Development	ER	9/27/06	9/24/07	100.0%					
12	1.2.4	Data Integrity WG; File Corruption - Use Cases, Requirements, SCR	DC, JSH, ER	9/4/06	11/30/06	100.0%					
13	1.2.5	Data Integrity WG; Tracking - Use Cases, Requirements, Policy	DC, JSH, RJ	12/18/06	5/10/07	100.0%					
14	1.2.6	Data Integrity WG; Backup/Disaster Recovery - File Corruption - Use Cases, Requirements, Policy	DC, JSH, RJ	4/2/07	7/27/07	100.0%					
15	1.3	Architecture									
16	1.3.1	Document PDS Core Model (draft)	JSH	6/6/06	7/27/07	100.0%					
17	1.4	System Capabilities									
18	1.4.1	Review requirements and design for improved web interface	DC, EL, JSH,	9/27/06	3/5/07	100.0%					
19	1.4.2	Develop use cases and requirements for Label Design Tool	JSH, RJ	9/11/06	2/1/07	100.0%					
20	1.4.3	Develop attribute map for	JSH	9/27/06	12/15/06	100.0%					
21	1.4.4	Develop use cases and requirements Volume Validation	RJ, JSH, DC	3/1/07	7/23/07	100.0%					
22	1.4.5	Develop use cases and requirements for automated catalog	JSH, RJ, DC	6/4/07	8/31/07	100.0%					
23	1.4.6	Develop test plans and procedures in support of Label Design Tool		7/9/07	9/3/07	100.0%					
24	1.4.7	Develop use cases and requirements for End-to-End	RJ, JSH, DC	6/4/07	8/15/07	100.0%					
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007			
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	
25	1.4.8	Modify system as needed for reconciliation of data holdings		9/27/06	9/27/06	100.0%		◆				
26	1.4.9	Document and Review Data Engineering Process	RJ, EL	6/5/06	9/26/07	100.0%	▶					
27	1.4.10	VTOOL Development Support	RJ	6/6/06	3/3/07	100.0%	▶					
28	1.4.10.1	Write Phase I Test Report	RJ	9/1/06		100.0%		◆				
29	1.4.10.2	Write Phase II Use Cases	RJ	9/29/06		100.0%		◆				
30	1.4.10.3	Write Phase II Requirements	RJ	9/29/06		100.0%		◆				
31	1.4.11	Support development of PDS Catalog Text Search	JSH	9/4/06	10/27/06	100.0%	▶					
32	1.5	Advanced Technology										
33	1.5.1	Interoperability										
34	1.5.1.1	Develop project management guidelines	RB, JSH	12/18/06	1/12/07	100.0%			▶			
35	1.5.1.2	Develop use cases and requirements for PDS Core Standards for interoperability	JSH, ER, DC	9/27/06	9/25/07	100.0%		▶				
36	1.5.1.3	Lead IPDA Archive Standards WG and support IPDA Data	JSH, ER, DC	9/27/06	7/31/07	100.0%		▶				
37	1.5.2	Technology Investigations										
38	1.5.2.1	Physical Media Working Group										
39	1.5.2.1.1	Physical media research and recommendations	RJ	9/22/06	3/5/07	100.0%	▶					
40	1.5.2.1.2	Develop Node Repository	RJ	6/1/07	8/30/07	100.0%				▶		
41	1.5.2.1.3	Cost-out migration from optical media to online storage	RJ	5/3/07	9/29/07	100.0%				▶		
42	2	Development										
43	2.1	Management										
44	2.2	Tools										
45	2.2.1	Legacy Tools Maintenance										
46	2.2.1.1	Release 4.6										
47	2.2.1.1.1	Track and analyze issues	MC, DS	3/27/06	6/8/07	100.0%	▶					
48	2.2.1.1.2	Implement changes	MC, DS	3/27/06	6/8/07	100.0%	▶					
49	2.2.1.1.3	Unit Test	MC	6/11/07	6/20/07	100.0%				▶		
50	2.2.1.1.4	Prepare and test installation bundles	MC	6/11/07	6/20/07	100.0%				▶		
51	2.2.1.1.5	Deliver to Operations	MC	6/20/07		100.0%					▼	
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter	

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
52	2.2.1.2	NASAView - SCR 3-1003	MC	6/18/07	10/26/07	60.0%					
53	2.2.2	Next Generation Tools									
54	2.2.2.1	Validation Tool									
55	2.2.2.1.1	Release 1.0 (Phase I)									
56	2.2.2.1.1.1	Design	PR, MC, SH	3/6/06	11/10/06	100.0%	████████████████████				
57	2.2.2.1.1.2	Implement	PR, MC	3/20/06	4/27/07	100.0%	██				
58	2.2.2.1.1.3	Alpha Test Phase II	Nodes	9/11/06	9/29/06	100.0%	████████				
59	2.2.2.1.1.4	Beta Test	Nodes	2/1/07	3/8/07	100.0%			████████		
60	2.2.2.1.1.5	Beta Test Telecon	Nodes	3/8/07		100.0%					
61	2.2.2.1.1.6	Prepare Release	PR, MC, SH	3/12/07	5/4/07	100.0%			████████		
62	2.2.2.1.1.7	Deliver to Operations	SH	5/7/07		100.0%					
63	2.2.2.1.2	Release 1.1									
64	2.2.2.1.2.1	Design and Implement	PR, MC	6/11/07	9/21/07	100.0%				████████████████████	
65	2.2.2.1.2.2	Test and Prepare Release	MC	9/24/07	9/28/07	100.0%					████████
66	2.2.2.1.2.3	Deliver to Operations	SH, MC	9/28/07		100.0%					████████
67	2.2.2.1.3	Release 2.0 (Phase II)									
68	2.2.2.1.3.1	Requirements									
69	2.2.2.1.3.1.1	Level 4	SH, JSH, RJ	5/14/07	10/12/07	90.0%				██	
70	2.2.2.1.3.1.2	Level 5	SH, RJ	5/21/07 10/15/07	6/15/07 11/23/07	100.0% 0.0%				████████	
71	2.2.2.1.3.2	Design (TBD)									
72	2.2.2.1.3.3	Implement (TBD)									
73	2.2.2.2	Label Template Design Tool									
74	2.2.2.2.1	Design	JW, MR	3/1/07	9/14/07	100.0%			██		
75	2.2.2.2.2	Preliminary Design Review	Nodes	5/17/07		100.0%					
76	2.2.2.2.3	Implement	JW, MR	5/14/07	11/23/07	70.0%				██	
77	2.2.2.2.4	Critical Design Review	Nodes	7/24/07		100.0%					
78	2.2.2.2.5	Code Walkthrough	Nodes	8/15/07		100.0%					
79	2.2.2.2.6	Alpha Testing	Nodes	10/1/07	10/12/07	0.0%					
80	2.2.2.2.7	Beta Testing	Nodes	10/29/07	11/2/07	0.0%					
81	2.2.2.2.8	Prepare Release	JW, SH	11/26/07	11/30/07	0.0%					
82	2.2.2.2.9	Operational Release	SH	11/30/07		0.0%					
83	2.3	Infrastructure									
84	2.3.1	Product Server Upgrades									
85	2.3.1.1	Upgrade existing Product Servers									
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
86	2.3.1.1.1	Imaging (JPL, USGS, ASU)		1/10/07	5/24/07	100.0%					
87	2.3.2	Profile Server Upgrades									
88	2.3.2.1	Deliver Node, Person and Volume to Operations	JW	11/17/06		100.0%		▼			
89	2.3.2.2	Complete RMI to HTTP Upgrade (TBD)									
90	2.3.3	NSSDC/MPGA Deployment									
91	2.3.3.1	Receive/Test software at JPL	JW	1/8/07	3/23/07	100.0%					
92	2.3.3.2	Document Interface and Plan	JW, SH	2/26/07	3/16/07	100.0%					
93	2.3.3.3	Support Node Beta Test	EN, Nodes	3/19/07	4/13/07	100.0%					
94	2.3.3.4	Receive/Test software at JPL (production-ready)									
95	2.3.3.5	Deliver to Nodes									
96	2.4	User/Web Interfaces									
97	2.4.1	Text Search									
98	2.4.1.1	Production-ready Implementation	PR, JW, JSH	8/21/06	10/6/06	100.0%					
99	2.4.1.2	Deliver to Operations	JW	10/9/06		100.0%		▼			
100	2.4.2	Cassini Archive Tracking System									
101	2.4.2.1	Prepare instance for Phoenix	MC, SH	9/25/06	12/1/06	100.0%					
102	2.4.2.2	Deliver to Operations	MC	12/1/06		100.0%		▼			
103	2.4.3	Useability Enhancement									
104	2.4.3.1	Deliver PDS Explorer support for primary and backup servers	JW, JSH	2/1/07		100.0%			▼		
105	2.4.3.2	Basic Browser Redesign (TBD)									
106	2.4.4	Home Page Redesign (TBD)									
107	3 Operations										
108	3.1	Managment									
109	3.1.1	Work Agreement/Budget	EL	9/11/06	10/27/06	100.0%					
110	3.1.2	Anual report	EL	9/1/06	9/22/06	100.0%					
111	3.1.3	Maintain Schedule/status report (on-going monthly)	EL	6/1/06	9/21/07	100.0%					
112	3.1.4	Telecon/Working Group support (on-going monthly, & as needed)	EL	6/1/06	9/21/07	100.0%					
113	3.1.5	NSSDC I/F Beta Test Coordination	EL	3/5/07	4/20/07	100.0%					
114	3.1.6	NSSDC I/F Release		6/18/07	10/26/07	75.0%					
115	3.2	Database / Releases									
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
116	3.2.1	DataBase									
117	3.2.1.1	Fix SCR #276 Add Standard Values Set	JH	7/17/06	7/28/06	100.0%	↔				
118	3.2.1.2	Database Tools									
119	3.2.1.2.1	Add DI, NH, MRO to Subscription Manager	JH	3/1/07	4/30/07	100.0%			↔		
120	3.2.1.2.2	Tool to update citation & abstract	JH	3/26/07	5/31/07	100.0%			↔		
121	3.2.1.2.3	Tool to maintain archive status	JH	6/1/07	7/3/07	100.0%				↔	
122	3.2.1.2.4	Tool to maintain data set table	JH	7/2/07	8/20/07	100.0%					↔
123	3.2.2	Catalog Builds			9/14/06	0.0%		◇			
124	3.2.2.1	1R63 (MER#9,CAS#5,ODY16)	JH	7/24/06	7/31/06	100.0%	↔				
125	3.2.2.2	1R64(MER#10,CAS#6,ODY17)	JH	10/24/06	10/31/06	100.0%		↔			
126	3.2.2.3	1R65 (MER#11,CAS#7,ODY18)	JH	1/24/07	2/9/07	100.0%			↔		
127	3.2.2.4	1R66	JH	4/23/07	5/18/07	100.0%				↔	
128	3.2.2.5	1R67	JH	9/3/07	9/6/07	100.0%					↔
129	3.2.3	Data Release									
130	3.2.3.1	MER1/MER2									
131	3.2.3.1.1	Release 9	BS,JH	7/7/06	7/27/06	100.0%	↔				
132	3.2.3.1.2	Release 10	BS,JH	10/16/06	10/27/06	100.0%		↔			
133	3.2.3.1.3	Release 11	BS,JH	1/15/07	2/9/07	100.0%			↔		
134	3.2.3.1.4	Release 12	BS,JH	5/1/07	5/18/07	100.0%				↔	
135	3.2.3.1.5	Release 13	BS,JH	7/16/07	7/27/07	100.0%					↔
136	3.2.3.2	MRO									
137	3.2.3.2.1	Release 1	BS,JH	6/1/07	6/8/07	100.0%				↔	
138	3.2.3.3	CAS									
139	3.2.3.3.1	Release 5	SA,JH	7/5/06	8/11/06	100.0%	↔				
140	3.2.3.3.2	Release 6	SA,JH	10/2/06	2/9/07	100.0%		↔			
141	3.2.3.3.3	Release 7	SA,JH	1/2/07	1/26/07	100.0%			↔		
142	3.2.3.3.4	Release 8	SA,JH	4/23/07	6/15/07	100.0%				↔	
143	3.2.3.3.5	Release 9	SA,JH	7/9/07	8/17/07	100.0%					↔
144	3.2.3.4	ODY									
145	3.2.3.4.1	Delivery 16	BS,JH	7/5/06	7/20/06	100.0%	↔				
146	3.2.3.4.2	Delivery 17	BS,JH	10/2/06	10/13/06	100.0%		↔			
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
147	3.2.3.4.3	Delivery 18	BS,JH	1/2/07	1/12/07	100.0%			▶		
148	3.2.3.4.4	Delivery 19	BS,JH	5/1/07	5/14/07	100.0%				▶	
149	3.2.3.4.5	Delivery 20	BS,JH	8/1/07	8/9/07	100.0%					▶
150	3.2.4	Tools/System Release									
151	3.2.4.1	Tools 4.5 Release	JH	3/20/06	3/24/06	100.0%					
152	3.2.4.2	Tools 4.6 Release	JH	6/1/07	6/8/07	100.0%				▶	
153	3.3	Data Engineering									
154	3.3.1	Data Validation/Ingestion									
155	3.3.1.1	On-going keyword ingestion and update for all missions	BS,SA	6/1/06	9/21/07	100.0%	▶				
156	3.3.1.2	On-going catalog and data ingest for all missions (PPI is the big driver)	BS,SA,CS,R	6/1/06	9/21/07	100.0%	▶				
157	3.3.1.3	On-going archive working group support	BS,SA,EL	6/1/06	9/21/07	100.0%	▶				
158	3.3.1.4	MEX catalog files ingestion									
159	3.3.2	Define Mission Closeout Process	BS, EL	3/23/07	6/29/07	100.0%			▶	▶	
160	3.3.3	Catalog Reconciliation (on-going, quarterly status update)	EL,SA,BS	6/1/06	9/21/07	100.0%	▶				
161	3.3.4	Peer Reviews									
162	3.3.4.1	SHARAD peer review	BS	6/1/06	9/15/06	100.0%	▶				
163	3.3.4.2	Spectral library peer review	BS	6/1/06	8/31/06	100.0%	▶				
164	3.3.4.3	CTX/MARCI peer review	BS	9/4/06	10/27/06	100.0%	▶				
165	3.3.4.4	MESSENGER	SA	4/3/06	10/27/06	100.0%	▶				
166	3.3.4.5	RINGS product peer review	SA	6/1/06	8/31/07	100.0%	▶				
167	3.3.4.6	SBN annual product peer review	SA,EL	6/1/06	9/21/07	100.0%	▶				
168	3.3.4.7	PHX EDR	BS	10/2/06	1/19/07	100.0%		▶			
169	3.3.5	End-to-End Tests Support									
170	3.3.5.1	MRO E2E Test #2	BS,EL,AL	11/28/05	7/31/06	100.0%	▶				
171	3.3.5.2	MRO E2E Test #3	BS,EL	9/11/06	10/31/06	100.0%	▶				
172	3.3.5.3	MRO E2E Test #4	BS,EL	1/2/07	3/30/07	100.0%			▶		
173	3.4	Web Engineering									
174	3.4.1	PDS & EN pages maintenance (on-going as needed)	EN	6/1/06	9/21/07	100.0%	▶				
175	3.4.1.1	Bug Fixes									
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
176	3.4.1.1.1	#76 Add wildcard capability to all search fields (tabled)	JH	1/1/07	8/31/07	100.0%			▶		
177	3.4.1.1.2	#202 PDS data dictionary history	JH	9/1/06	9/29/06	100.0%	▶				
178	3.4.1.1.3	#81 Change bookmark header (<title> tags) to identify specific pages	JH	6/7/06	6/30/06	100.0%	▶				
179	3.4.1.1.4	#215 Data dictionary lookup window devoid of controls	JH	11/1/06	11/30/06	100.0%		▶			
180	3.4.1.2	Liink Check									
181	3.4.1.2.1	Verification/Fix #1	EL,JH,AL	1/15/07	1/26/07	100.0%			▶		
182	3.4.1.2.2	Verification/Fix #2	EL,JH,AL	7/16/07	7/27/07	100.0%					▶
183	3.4.2	Web Interface Upgrade									
184	3.4.2.1	Web Interface Use Cases / Ops Conept	EI,MR	8/14/06	11/30/06	100.0%	▶	▶			
185	3.4.2.2	Web Interface Requirements	EI,MR	9/1/06	3/30/07	100.0%	▶	▶	▶		
186	3.4.2.3	Get approval of requirements & implementation plan	EI,MR,DC	4/2/07	5/8/07	100.0%				▶	
187	3.4.2.4	Web System Design	EI,PR	6/4/07	7/2/07	100.0%					▶
188	3.4.2.5	Style Guide/ Icons	ELMR	9/1/06	9/28/07	90.0%	▶	▶	▶	▶	▶
189	3.5	Infrastructure									
190	3.5.1	Infrastructure Upgrade									
191	3.5.1.1	Web development server upgrade	AL	8/7/06	10/20/06	100.0%	▶	▶			
192	3.5.1.2	Build Apps Standstone Server	AL	1/1/07	1/31/07	100.0%			▶		
193	3.5.1.3	BLOG Server SPAM protection	AL	12/11/06	1/19/07	100.0%			▶		
194	3.5.1.4	LDAP Server Setup	AL	12/11/06	1/31/07	100.0%			▶		
195	3.5.1.5	Backup Technology investigation	AL, FL	4/2/07	6/29/07	100.0%				▶	▶
196	3.5.1.6	Set up new server backup capability	AL, FL	8/13/07	10/26/07	75.0%					▶
197	3.5.1.7	Create Scripts to facilitate ingestion	AL	4/2/07	7/2/07	100.0%				▶	▶
198	3.5.1.8	Server Replenishment									
199	3.5.1.8.1	Server #1, #2	AL,FL	6/4/07	6/29/07	100.0%				▶	
200	3.5.1.9	Test Bed Upgrade	AL,FL	9/3/07	9/26/07	100.0%					▶
201	3.5.2	Infrastructure Maintenance									
202	3.5.2.1	DPS Support	EL,AL	10/5/06	10/13/06	100.0%		▶			
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter

PDS Engineering Node Master Schedule

	WBS	Activity Name	Staff	Start Date	Finish Date	% Complete	2006		2007		
							3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter
203	3.5.2.2	Mirror Site									
204	3.5.2.2.1	PDS Mirror Operational testing #1	AL,AD	1/4/07	1/31/07	100.0%					
205	3.5.2.2.2	PDS Mirror Operational testing #2 (cancelled due to PDS home page implementation)									
206	3.5.2.2.3	EN Mirror Development	AL,FL	9/3/07	11/29/07	20.0%					
207	3.5.2.2.4	SBN Mirror Support	EL,AL	9/8/06		100.0%					
208	3.5.2.3	System Maintenance/Minitoring (on-going, monthly performance report update, IT Security)	AL,FL	6/1/06	9/21/07	100.0%					
209	3.6	Service									
210	3.6.1	User Support									
211	3.6.1.1	Subscription notification list cleanup	CS	6/1/06	9/21/07	100.0%					
212	3.6.2	Monthly Metrics collection and report	CS,FL	6/1/06	9/21/07	100.0%					
							Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter