









The JPL Project Life Cycle



NASA			APPR	OVAL				
Phases		FORMULATION IMPLEMENTATION						
JPL Life Cycle Phases	Pre-Phase A: Advanced Studies	Phase A: Mission & Systems Definition	Phase B: Preliminary Design	Phase C: Design & Build		Phase D: ATLO	Phase E: Operations	
Major JPL Reviews (Review Cluster Includes a Director's GPMC)	∠ Concej Review ∆ STEP TMC ²	N I Mission Systems Re PMSR I D D 1 STEP 2	& PDR eview	•	∆ Assembly Test & Launch Operation Readiness Review ARR		△ Post Launch Assmnt Review PLAR	∠ Critical Events Readiness Review CERR ⁶
Major NASA Enterprise Reviews	Z Conc Prop Rev	T		irmation eview CR		∆ Missi Briefi		
Major Events	Down Select fo		itment, Cor or Step 2	htract		Laun	ich	
 (1) Program driven projects (2) AO driven projects (3) Not a GPMC review (4) A PMSR is equivalent to what Code S refers to as a combined Mission Definition Review and SRR (5) For Earth Science Missions, a PDR may be combined with a Mission Design Review (6) CERRs are established at the discretion of Program Offices 								

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Stardust Budget

- Technical Definition Phase (Phase B) \$9.6 million
- Development Phase (Phase C/D) \$117.8 million
 - Not Including Launch Vehicle
- Operations Phase \$37.2 million

TOTAL - \$164.6



Stardust – Preparing for Solar Array Test





Stardust @ KSC – Jan. 1999



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Feb. 2003



Stardust Launch Feb 7, 1999



Feb. 2003