

VDFS Project reports: earned value analysis from 2004 October to 2007 September													
WSA VDFS Science Archive: Phases 2-5 (2004 Oct - 2007 Sep)			mmo	2004	2005				2006				
				Q4	Q1	Q2	Q3	Q4	Jan	Feb	Mar		
Ph2	WSA with experience of real WFCAM data (10/04 - 9/05)												
	Database and Pixel Data Hardware	1.0	67%	100%	100%	100%	100%	100%	100%	100%			
	Data transfer and ingestion tools	7.0	29%	43%	64%	81%	85%	86%	86%				
	Catalogue maintenance tools	6.0	14%	57%	75%	83%	83%	83%	83%				
	Data Delivery and Image processing tools	14.0	8%	21%	41%	73%	79%	79%	81%				
	Phase 2 Earned value analysis	28.0	4.7	10.4	15.7	21.9	23.0	23.1	23.3				
Ph3	WSA with advanced data access & maintenance tools (10/05 - 3/06)												
	Database design (re-factor in light of experience and user feedback)	1.0				50%	50%	50%	50%				
	Database and Pixel Data Hardware	1.0					50%	50%	50%				
	Data transfer and ingestion tools	3.0				2%	57%	68%	87%				
	Catalogue maintenance tools	7.0					27%	28%	35%				
	Data Delivery and Image processing tools	6.0					23%	29%	44%				
	Phase 3 Earned value analysis	18.0		0.0	0.0	0.6	6.0	6.7	8.7				
Ph4	VSA ready 2006 December for VISTA science data (10/05 - 12/06)												
	Preparatory design for review: benchmarking OS/DBMS and hardware	12.0	1%	2%	3%	3%	6%	8%	18%				
	Database design	6.0											
	Database and Pixel Data Hardware	4.0							9%				
	Data transfer and ingestion tools	8.0											
	Catalogue maintenance tools	10.0											
	Data Delivery and Image processing tools	8.0											
	Phase 4 Earned value analysis	48.0	0.1	0.2	0.4	0.4	0.7	1.0	2.5				
Ph5	Complete VSA shaken down with real VISTA data (1/07 - 9/07)												
	Database design (re-factor, add surveys)	1.0											
	Database and pixel data hardware	1.0											
	Data transfer and ingest tools (code maintenance)	3.0											
	Catalogue maintenance tools (re-factor as required, code maintenance)	8.0											
	Data delivery and image processing tools (re-factor, additional features)	14.0											
	Advanced data analysis tools	5.0											
	Further grid services connectivity	3.0											
	Phase 5 Earned Value Analysis	35.0											
	Whole Project Earned value analysis (mmo)	129.0	4.8	10.6	16.1	22.8	29.7	30.8	34.6				
	Whole Project resource use (£k)	923.4	38.7	84.6	140.6	205	269	300	323				
	Whole Project Earned value analysis (% of defined project)	0	4%	8%	12%	18%	23%	24%	27%				
	Whole Project resource use (% of funds allocated in VDFS grant)	0	4%	9%	15%	22%	29%	32%	35%				