

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				2007							
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Jly	Aug	Q3	Oct	Nov	
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%	100%	100%	100%	100%	100%				
Data transfer and ingestion tools	7.0	29%	43%	64%	81%	85%	86%	90%	90%	90%	100%	100%	100%	100%				
Catalogue maintenance tools	6.0	14%	57%	75%	83%	83%	83%	83%	83%	100%	100%	100%	100%	100%				
Data Delivery and Image processing tools	14.0	8%	21%	41%	73%	79%	83%	93%	93%	93%	93%	93%	93%	93%				
Phase 2 Earned value analysis	28.0	4.7	10.4	15.7	21.9	23.0	23.6	25.3	25.3	26.3	27.0	27.0	27.0	27.0				
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%	70%	100%	100%	100%	100%	100%	100%	100%				
Database and Pixel Data Hardware	1.0					50%	75%	100%	100%	100%	100%	100%	100%	100%				
Data transfer and ingestion tools	4.0				2%	57%	94%	100%	100%	100%	100%	100%	100%	100%				
Catalogue maintenance tools (to follow: list-driven photometry)	9.0					27%	46%	62%	69%	83%	83%	83%	83%	86%				
Data Delivery and Image processing tools	6.0					23%	44%	75%	100%	100%	100%	100%	100%	100%				
Phase 3 Earned value analysis	21.0		0.0	0.0	0.6	7.1	12.0	16.1	18.2	19.5	19.5	19.5	19.5	19.7				
Ph4 VSA ready 2006 December for VISTA science data (10/05 - 12/06)																		
Preparatory design for review: benchmarking OS/DBMS and hardware	13.0	1%	2%	3%	3%	6%	28%	40%	98%	98%	98%	98%	98%	98%				
Database design	7.0									37%	37%	40%	40%	40%				
Database and Pixel Data and networking Hardware and systems software	4.0						10%	13%	13%	53%	59%	90%	90%	90%				
Data transfer and ingestion tools	8.0									25%	48%	68%	72%	78%				
Catalogue maintenance tools	10.0									19%	34%	46%	46%	50%				
Data Delivery and Image processing tools	8.0										11%	31%	31%	37%				
Phase 4 Earned value analysis	50.0	0.1	0.3	0.4	0.4	0.8	4.0	5.7	13.3	21.4	25.8	31.7	32.0	33.3				
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)	7.0																	
Data delivery and image processing tools (re-factor, additional features)	10.0																	
Advanced data analysis tools	5.0																	
Further grid services connectivity	3.0																	
Phase 5 Earned Value Analysis	30.0																	
Whole Project Earned value analysis (mmo)	129.0	4.8	10.6	16.1	22.8	30.9	39.7	47.1	56.8	67.1	72.3	78.2	78.5	80.1				
Whole Project resource use (£k)	923.4	46.4	85	141	205	277	346	436	515	586	672	756	788	805				
Whole Project Earned value analysis (% of defined project)	0	4%	8%	12%	18%	24%	31%	37%	44%	52%	56%	61%	61%	62%				
Whole Project resource use (% of funds allocated in VDFS grant)	0	5%	9%	15%	22%	30%	37%	47%	56%	64%	73%	82%	85%	87%				