

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	Jan	Feb	Q1	
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%	90%	90%	90%	100%	
	Catalogue maintenance tools	6.0	14%	57%	75%	83%	83%	83%	83%	83%	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	26.3	26.3	26.3	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%		
	Database and Pixel Data Hardware	1.0					50%	75%	100%	100%	100%	100%	100%	100%		
	Data transfer and ingestion tools	4.0				2%	57%	94%	100%	100%	100%	100%	100%	100%		
	Catalogue maintenance tools (to follow: list-driven photometry)	9.0					27%	46%	62%	69%	83%	83%	83%	83%		
	Data Delivery and Image processing tools	6.0					23%	44%	75%	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		
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%		
	Database design	7.0									37%	37%	37%	37%		
	Database and Pixel Data and networking Hardware	4.0						10%	13%	13%	53%	57%	59%	59%		
	Data transfer and ingestion tools	8.0									25%	30%	32%	48%		
	Catalogue maintenance tools	10.0									19%	19%	23%	34%		
	Data Delivery and Image processing tools	8.0											1%	11%		
	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	21.9	22.6	25.8		
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	67.7	68.4	72.3		
	Whole Project resource use (£k)	923.4	46.4	85	141	205	277	346	436	515	586	620	647	672		
	Whole Project Earned value analysis (% of defined project)	0	4%	8%	12%	18%	24%	31%	37%	44%	52%	52%	53%	56%		
	Whole Project resource use (% of funds allocated in VDFS grant)	0	5%	9%	15%	22%	30%	37%	47%	56%	64%	67%	70%	73%		