

VDFS Project reports: earned value analysis from 2004 October to 2008 March																		
	WSA VDFS Science Archive: Phases 2-5 (2004 Oct - 2007 Sep)	mmo	2004	2005				2006				2007				2008		
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	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%	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%	86%	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	19.7	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	6.0									37%	37%	40%	40%	40%			
	Database and Pixel Data and networking Hardware and systems software	4.0						10%	13%	13%	53%	59%	90%	90%	93%			
	Data transfer and ingestion tools	9.0									25%	48%	68%	84%	88%			
	Catalogue maintenance tools	10.0									19%	34%	46%	53%	57%			
	Data Delivery and Image processing tools	8.0										11%	31%	40%	47%			
	Phase 4 Earned value analysis	50.0	0.1	0.3	0.4	0.4	0.8	4.0	5.7	13.3	21.2	25.9	31.9	34.8	36.2			
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 mainteance 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	67.0	72.4	78.4	81.6	83.0			
	Whole Project resource use (of £k 923 - 87undersp + 187 extn)	1020	46.4	85	141	205	277	346	436	515	586	672	756	836	927			
	Whole Project Earned value analysis (% of defined project)	0	4%	8%	12%	18%	24%	31%	37%	44%	52%	56%	61%	63%	64%			
	Whole Project resource use (% of funds allocated in VDFS grant)	0	5%	8%	14%	20%	27%	34%	43%	50%	57%	66%	74%	82%	91%			