

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	Apr	May	Jun	Jul		
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%			
	Data transfer and ingestion tools	7.0	29%	43%	64%	81%	85%	86%	90%	90%	90%	90%			
	Catalogue maintenance tools	6.0	14%	57%	75%	83%	83%	83%	83%	83%	83%	83%			
	Data Delivery and Image processing tools	14.0	8%	21%	41%	73%	79%	83%	83%	83%	83%	83%			
	<b>Phase 2 Earned value analysis</b>	<b>28.0</b>	<b>4.7</b>	<b>10.4</b>	<b>15.7</b>	<b>21.9</b>	<b>23.0</b>	<b>23.6</b>	<b>23.9</b>	<b>23.9</b>	<b>23.9</b>				
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%	70%	70%	100%				
	Database and Pixel Data Hardware	1.0					50%	75%	100%	100%	100%				
	Data transfer and ingestion tools	4.0				2%	57%	94%	94%	96%	100%				
	Catalogue maintenance tools	8.0					27%	46%	46%	53%	62%				
	Data Delivery and Image processing tools	7.0					23%	44%	44%	54%	75%				
	<b>Phase 3 Earned value analysis</b>	<b>21.0</b>		<b>0.0</b>	<b>0.0</b>	<b>0.6</b>	<b>7.1</b>	<b>12.0</b>	<b>12.2</b>	<b>13.6</b>	<b>16.2</b>				
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%	36%	38%	40%				
	Database design	7.0													
	Database and Pixel Data Hardware	4.0						10%	13%	13%	13%				
	Data transfer and ingestion tools	8.0													
	Catalogue maintenance tools	10.0													
	Data Delivery and Image processing tools	8.0													
	<b>Phase 4 Earned value analysis</b>	<b>50.0</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.8</b>	<b>4.0</b>	<b>5.2</b>	<b>5.5</b>	<b>5.7</b>				
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													
	<b>Phase 5 Earned Value Analysis</b>	<b>30.0</b>													
	<b>Whole Project Earned value analysis (mmo)</b>	<b>129.0</b>	<b>4.8</b>	<b>10.6</b>	<b>16.1</b>	<b>22.8</b>	<b>30.8</b>	<b>39.6</b>	<b>41.3</b>	<b>42.9</b>	<b>45.8</b>				
	<b>Whole Project resource use (£k)</b>	<b>923.4</b>	46.4	85	141	205	277	346	389	412	436				
	<b>Whole Project Earned value analysis (% of defined project)</b>	0	4%	8%	12%	18%	24%	31%	32%	33%	36%				
	<b>Whole Project resource use (% of funds allocated in VDFS grant)</b>	0	5%	9%	15%	22%	30%	37%	42%	45%	47%				