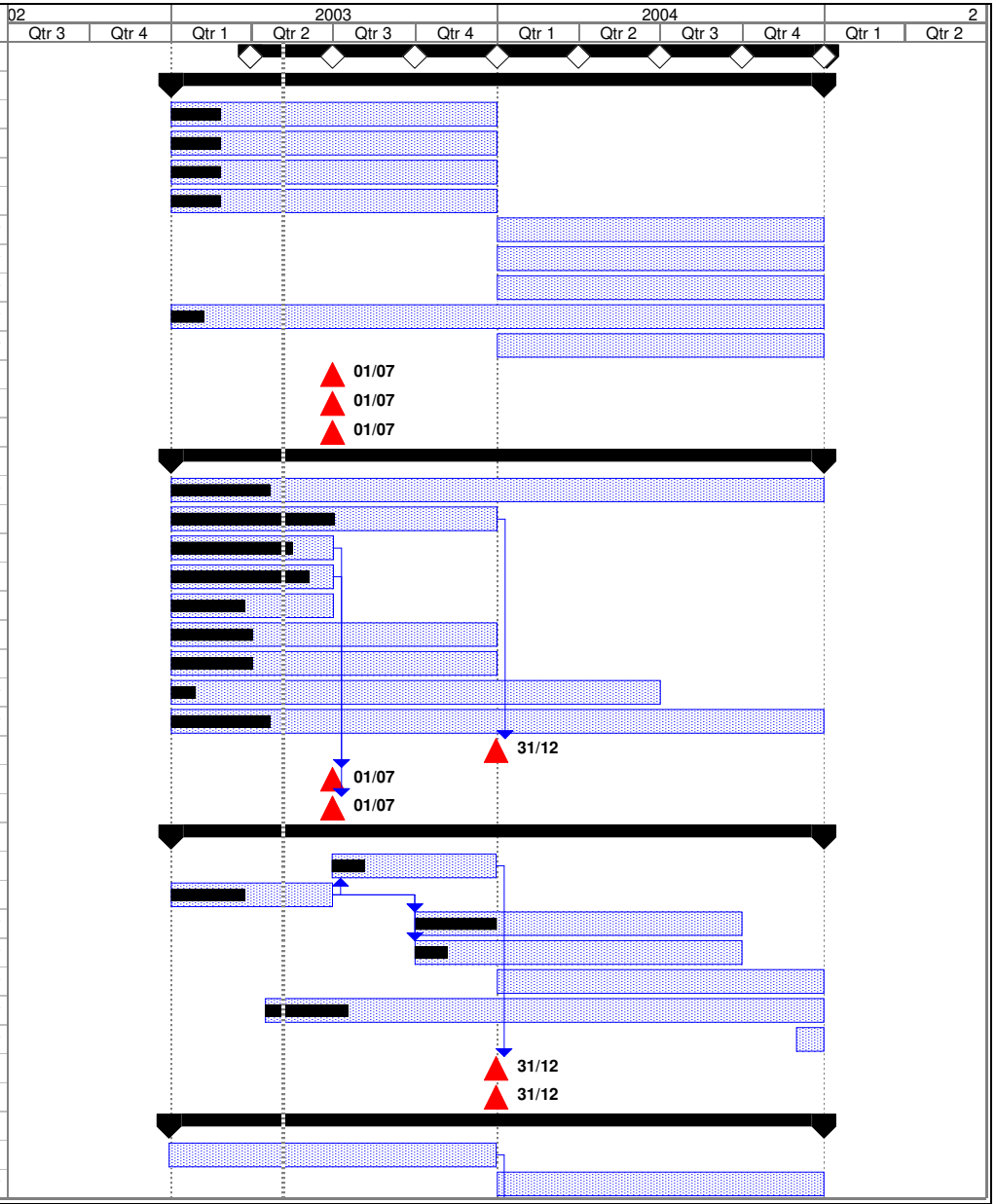
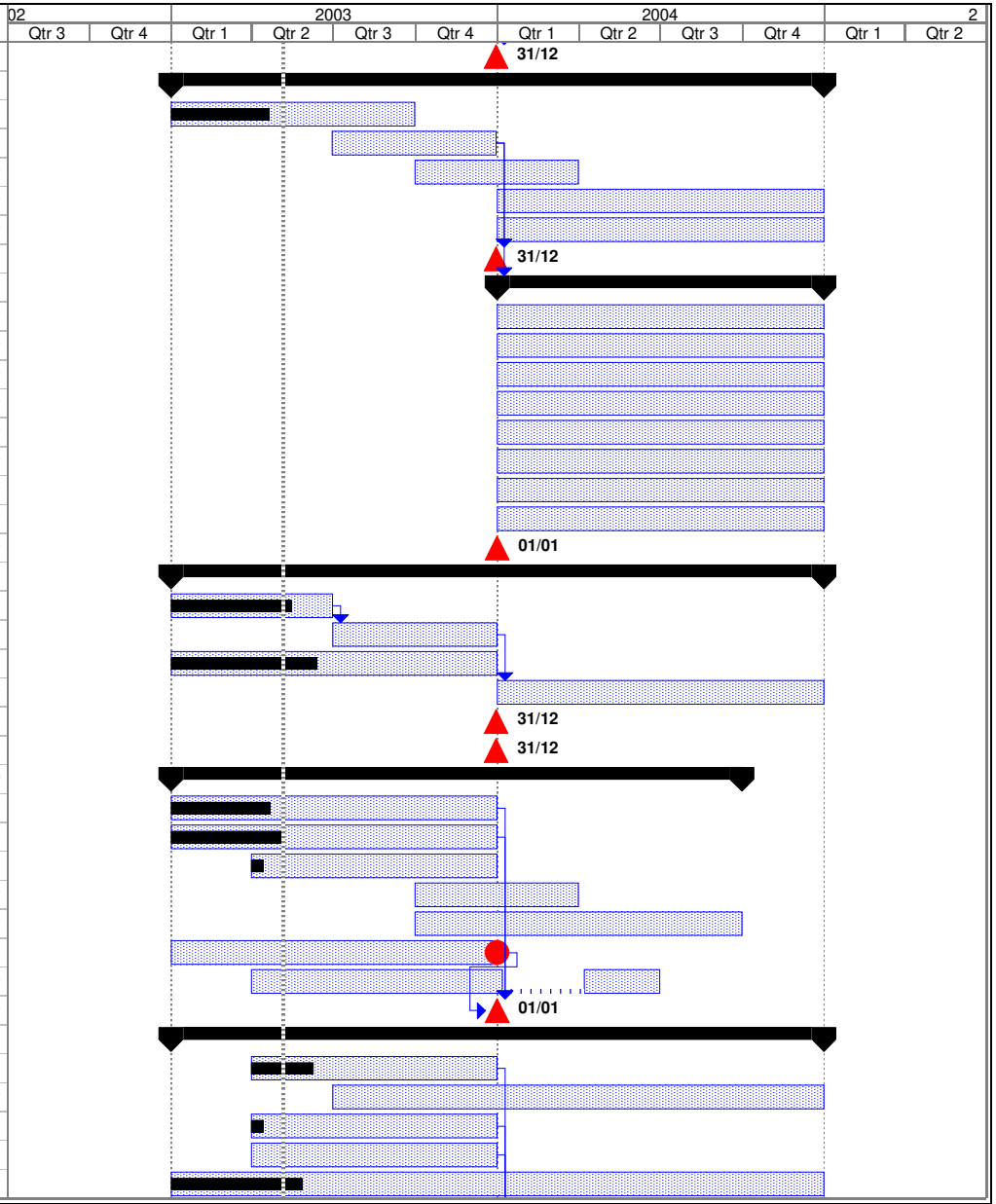
ID		ID	Task Name	Start	Finish
1			**Quarterly Reviews**	**Mon 31/03/03**	**Mon 03/01/05**
10		**1**	**ESO VISTA software deliverables and documentation**	**Wed 01/01/03**	**Fri 31/12/04**
11		1.1	DFS user requirements document	Wed 01/01/03	Wed 31/12/03
12		1.2	Data reduction specification	Wed 01/01/03	Wed 31/12/03
13		1.3	Calibration plan document for ESO	Wed 01/01/03	Wed 31/12/03
14		1.4	Specification of calibration procedures for ESO	Wed 01/01/03	Wed 31/12/03
15		1.5	Interface Control Document ESO/VPO	Thu 01/01/04	Fri 31/12/04
16		1.6	Instrument specification and interface documents	Thu 01/01/04	Fri 31/12/04
17		1.7	Delivery software modules and ETC	Thu 01/01/04	Fri 31/12/04
18		1.8	Liaise with VISTA IR camera development team	Wed 01/01/03	Fri 31/12/04
19		1.9	Development of DQC measures	Thu 01/01/04	Fri 31/12/04
20			Calibration plan document	Tue 01/07/03	Tue 01/07/03
21			Data Reduction Specification	Tue 01/07/03	Tue 01/07/03
22			DFS user requirements document	Tue 01/07/03	Tue 01/07/03
23		**2**	**Management and Defenition of Responsibilities**	**Wed 01/01/03**	**Fri 31/12/04**
24		2.1	Report to VISTA, UKIDSS, JAC, ATC, WFAP, GSC	Wed 01/01/03	Fri 31/12/04
25		2.2	Interface Control Document between CASU and JAC	Wed 01/01/03	Wed 31/12/03
26		2.3	Interface Control Document between CASU and WFAU	Wed 01/01/03	Tue 01/07/03
27		2.4	Define data structures and FITS headers	Wed 01/01/03	Tue 01/07/03
28		2.5	Define observing protocols	Wed 01/01/03	Tue 01/07/03
29		2.6	Liaise with UKIDSS and JAC on observing strategy	Wed 01/01/03	Wed 31/12/03
30		2.7	Liaise with UKIDSS and JAC on survey planning	Wed 01/01/03	Wed 31/12/03
31		2.8	Liaise with UKIDSS and JAC on survey progress database	Wed 01/01/03	Thu 01/07/04
32		2.9	System Documentation	Wed 01/01/03	Fri 31/12/04
33		D2a	ICD between CASU and JAC	Wed 31/12/03	Wed 31/12/03
34		D2b	ICD between CASU and WFAU	Tue 01/07/03	Tue 01/07/03
35		D2c	Fits headers and data structures defention document	Tue 01/07/03	Tue 01/07/03
36		**3**	**Pipeline Infrastructure and Progress Monitoring Tools**	**Wed 01/01/03**	**Fri 31/12/04**
37		3.1	Interactive tools for running pipeline	Mon 30/06/03	Tue 30/12/03
38		3.2	High level scripts to interrogate headers	Wed 01/01/03	Mon 30/06/03
39		3.3	Develop automatic progression of results to WWW pages	Wed 01/10/03	Thu 30/09/04
40		3.4	Automate checks to spot failures of pipeline	Wed 01/10/03	Thu 30/09/04
41		3.5	Tools for fixing problem datasets	Thu 01/01/04	Fri 31/12/04
42		3.6	Group documentation for above	Wed 16/04/03	Fri 31/12/04
43		3.7	Reprocessing after bug fixes or improvements to algorithms	Wed 01/12/04	Fri 31/12/04
44		D3a	Deliver pipeline V1.0	Wed 31/12/03	Wed 31/12/03
45		D3b	Deliver documentation for pipeline V1.0	Wed 31/12/03	Wed 31/12/03
46		**4**	**Set up and Manage Raw Science Archive**	**Mon 30/12/02**	**Fri 31/12/04**
47		4.1	Extend current UKIRT archive to cope with WFCAM	Mon 30/12/02	Tue 30/12/03
48		4.2	Ingest and verify WFCAM data	Thu 01/01/04	Fri 31/12/04



Project: vdfs_prog_20030506
Date: Tue 06/05/03

Task
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Milestone
Rolled Up Progress
Split
External Tasks
Project Summary
Group By Summary

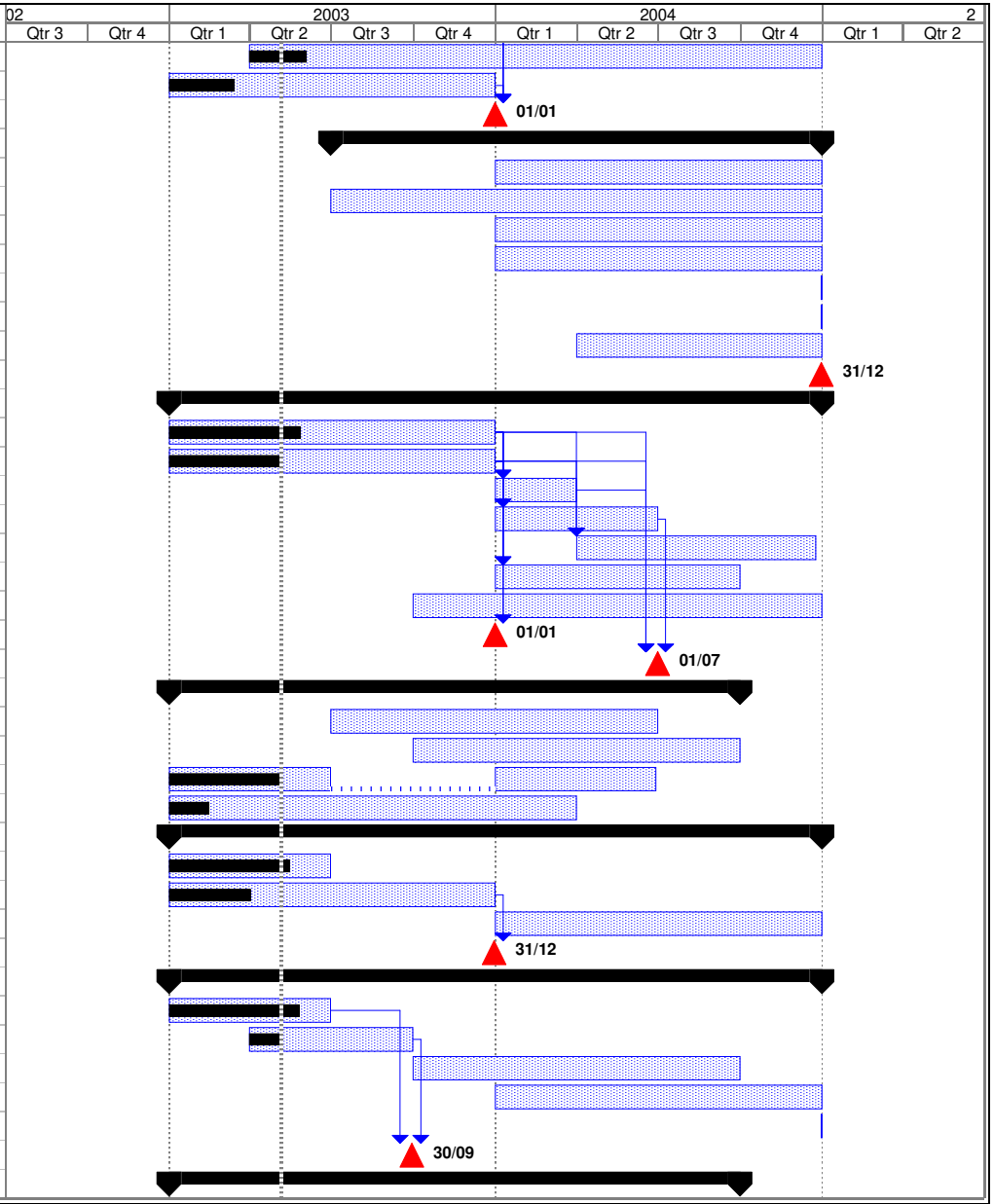
ID		ID	Task Name	Start	Finish
49		D4a	Create Raw Science Archive	Wed 31/12/03	Wed 31/12/03
50		**5**	**Set up and Manage Data Processing System Hardware**	**Wed 01/01/03**	**Fri 31/12/04**
51		5.1	Investigate alternatives (benchmarking, reliability etc)	Wed 01/01/03	Tue 30/09/03
52		5.2	Buy hardware and install software	Mon 30/06/03	Tue 30/12/03
53		5.3	Integration and testing	Wed 01/10/03	Wed 31/03/04
54		5.4	Manage day-to-day, maintenance and upgrades	Thu 01/01/04	Fri 31/12/04
55		5.5	Hardware additions for further data processing system	Thu 01/01/04	Fri 31/12/04
56		D5a	Processing hardware in place	Wed 31/12/03	Wed 31/12/03
57		**6**	**Run Standard Pipeline**	**Thu 01/01/04**	**Fri 31/12/04**
58		6.1	Ingest and verify data	Thu 01/01/04	Fri 31/12/04
59		6.2	Update master calibration frames	Thu 01/01/04	Fri 31/12/04
60		6.3	Monitor detector performance	Thu 01/01/04	Fri 31/12/04
61		6.4	Oversee standd processing	Thu 01/01/04	Fri 31/12/04
62		6.5	Astrometric calibration	Thu 01/01/04	Fri 31/12/04
63		6.6	Photometric calibration	Thu 01/01/04	Fri 31/12/04
64		6.7	Verify science products and monitor DQC measures	Thu 01/01/04	Fri 31/12/04
65		6.8	Monitor product data transfer to WFAU	Thu 01/01/04	Fri 31/12/04
66		D6a	Data flow to WFAU initiated	Thu 01/01/04	Thu 01/01/04
67		**7**	**Development Work for Summit Pipeline**	**Wed 01/01/03**	**Fri 31/12/04**
68		7.1	Interface test pipelines to ORAC-DR	Wed 01/01/03	Mon 30/06/03
69		7.2	Implement WFCAM pipeline at summit	Tue 01/07/03	Wed 31/12/03
70		7.3	Documentation of interface	Wed 01/01/03	Wed 31/12/03
71		7.4	Upgrade and maintain summit pipeline	Thu 01/01/04	Fri 31/12/04
72		D7a	Deliver summit pipeline	Wed 31/12/03	Wed 31/12/03
73		D7b	Deliver summit pipeline documentation	Wed 31/12/03	Wed 31/12/03
74		**8**	**Development and Testing of Standard 2D Processing**	**Wed 01/01/03**	**Thu 30/09/04**
75		8.1	Further development of standard pipeline	Wed 01/01/03	Wed 31/12/03
76		8.2	Liaison with WFCAM development team	Wed 01/01/03	Wed 31/12/03
77		8.3	Partake in planning commissioning observations	Tue 01/04/03	Wed 31/12/03
78		8.4	Participate directly in commissioning	Wed 01/10/03	Wed 31/03/04
79		8.5	Tuning pipeline during commissioning and after	Wed 01/10/03	Thu 30/09/04
80		8.6	Documentation of 2Dprocessing software	Wed 01/01/03	Wed 31/12/03
81		8.7	Comparsion between automated and manual data products	Tue 01/04/03	Wed 30/06/04
82		D8a	Complete 2D processing modules V1.0	Thu 01/01/04	Thu 01/01/04
83		**9**	**Development and Testing of Standard Catalogue Products**	**Wed 01/01/03**	**Fri 31/12/04**
84		9.1	Add in new measures requested	Tue 01/04/03	Wed 31/12/03
85		9.2	Refine astrometric calibration model	Tue 01/07/03	Fri 31/12/04
86		9.3	Generate simulations of expectd data	Tue 01/04/03	Wed 31/12/03
87		9.4	Assess catalogue parameter reliability	Tue 01/04/03	Wed 31/12/03
88		9.5	Intercomparison of catalogue products with other packages	Wed 01/01/03	Fri 31/12/04



Project: vdfs_prog_20030506
Date: Tue 06/05/03

Task
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Milestone
Rolled Up Progress
Split
External Tasks
Project Summary
Group By Summary

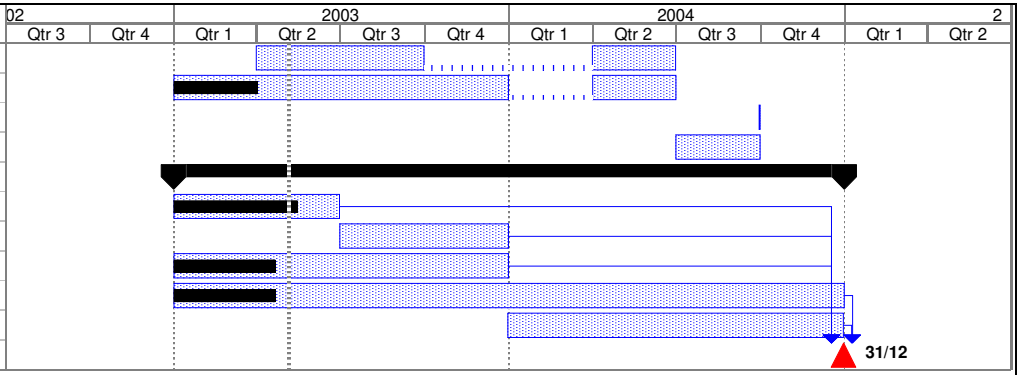
ID		ID	Task Name	Start	Finish
89		9.6	Completeness and error estimates	Tue 01/04/03	Fri 31/12/04
90		9.7	Documentation of catalogue software and products	Wed 01/01/03	Wed 31/12/03
91		D9a	Complete standard catalogue modules V1.0	Thu 01/01/04	Thu 01/01/04
92		**10**	**Set Up, Trial and Run Further Processing Software**	**Tue 01/07/03**	**Fri 31/12/04**
93		10.1	Manage and run further processing stages	Thu 01/01/04	Fri 31/12/04
94		10.2	Development and assessment of PSF options 1,2	Tue 01/07/03	Fri 31/12/04
95		10.3	Develop 1D/2D PSF-deconvolved Sersic profile fits	Thu 01/01/04	Fri 31/12/04
96		10.4	Develop LSBG/nebulosity detection/parameterisation	Thu 01/01/04	Fri 31/12/04
97		10.5	Full iterative profile fitting for stellar images	Fri 31/12/04	Fri 31/12/04
98		10.6	Develop and optimise Bayesian image classification	Fri 31/12/04	Fri 31/12/04
99		10.7	Modelling and simulations of further processing steps	Thu 01/04/04	Fri 31/12/04
100		D10a	Deliver 2D PSF and Sersic fitting applications	Fri 31/12/04	Fri 31/12/04
101		**11**	**Photometric Standards and Calibraion**	**Wed 01/01/03**	**Fri 31/12/04**
102		11.1	Agree on primary standards	Wed 01/01/03	Wed 31/12/03
103		11.2	Choose secondary standard fields	Wed 01/01/03	Wed 31/12/03
104		11.3	Take part in comissioning observations	Thu 01/01/04	Wed 31/03/04
105		11.4	Reduce data, compute zero points and colour equations	Thu 01/01/04	Wed 30/06/04
106		11.5	Update maintain and extend secondary standards system	Thu 01/04/04	Fri 24/12/04
107		11.6	Investigate photometric calibration field systematics	Thu 01/01/04	Thu 30/09/04
108		11.7	Assess extinction monitoring methods	Wed 01/10/03	Fri 31/12/04
109		D11a	Allocate primary and secondary standard stars/fields	Thu 01/01/04	Thu 01/07/04
110		D11b	Photometric calibration and colour equations	Thu 01/07/04	Thu 01/07/04
111		**12**	**Further Development of DQC Measures**	**Wed 01/01/03**	**Thu 30/09/04**
112		12.1	Develop extra systematic noise measures	Tue 01/07/03	Wed 30/06/04
113		12.2	Refine curent measures for WFCAM/VISTA data	Wed 01/10/03	Thu 30/09/04
114		12.3	Implement 2MASS -c.f. for throughput measures	Wed 01/01/03	Mon 28/06/04
115		12.4	Master calibration frames for detector monitoring	Wed 01/01/03	Wed 31/03/04
116		**13**	**Co-located List Driven Photometry**	**Wed 01/01/03**	**Fri 31/12/04**
117		13.1	Test methods for master catalogue generation	Wed 01/01/03	Mon 30/06/03
118		13.2	Develop basic WCS-based list driven photometer	Wed 01/01/03	Wed 31/12/03
119		13.3	Externally driven WCS photometry and define parameter set	Thu 01/01/04	Fri 31/12/04
120		D13a	Deliver list driven photometer	Wed 31/12/03	Wed 31/12/03
121		**14**	**Stacking and Mosaicing**	**Wed 01/01/03**	**Fri 31/12/04**
122		14.1	Develop benchmark simple stacking/mosaicing framework	Wed 01/01/03	Mon 30/06/03
123		14.2	Nearest neighbour algorithm	Tue 01/04/03	Tue 30/09/03
124		14.3	More sophisticated rejection dealing with pixellation	Wed 01/10/03	Thu 30/09/04
125		14.4	Stacking with optimum weighting and defect rejection	Thu 01/01/04	Fri 31/12/04
126		14.5	Advanced stacking/image restoration for variable PSF	Fri 31/12/04	Fri 31/12/04
127		D14	Deliver basic stacker and mosaicer	Tue 30/09/03	Tue 30/09/03
128		**15**	**Continuum Subtraction and Basic Difference Imaging**	**Wed 01/01/03**	**Thu 30/09/04**



Project: vdfs_prog_20030506
Date: Tue 06/05/03

Task
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Milestone
Rolled Up Progress
Split
External Tasks
Project Summary
Group By Summary

ID		ID	Task Name	Start	Finish
129		15.1	Simple WCS-based subtraction techniques	Tue 01/04/03	Wed 30/06/04
130		15.2	Investigate and apply different interpolation methods	Wed 01/01/03	Thu 01/07/04
131		15.3	Develop adaptive kernel matching option	Thu 30/09/04	Thu 30/09/04
132		15.4	Transient event detection	Thu 01/07/04	Thu 30/09/04
133		**16**	**Interpolation Techniques and PSF Modelling**	**Wed 01/01/03**	**Fri 31/12/04**
134		16.1	Investigate alternative interpolation/PSF schemes	Wed 01/01/03	Mon 30/06/03
135		16.2	Implications for different stacking methods	Tue 01/07/03	Wed 31/12/03
136		16.3	Implications for deriving catalogues and parameters	Wed 01/01/03	Wed 31/12/03
137		16.4	Oversampled PSF generation per detector	Wed 01/01/03	Fri 31/12/04
138		16.5	Develop oversampled spatially varying PSF model	Wed 31/12/03	Thu 30/12/04
139		D16a	Deliver PSF photometer	Fri 31/12/04	Fri 31/12/04



Project: vdfs_prog_20030506
Date: Tue 06/05/03

Task
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Milestone
Rolled Up Progress
Split
External Tasks
Project Summary
Group By Summary