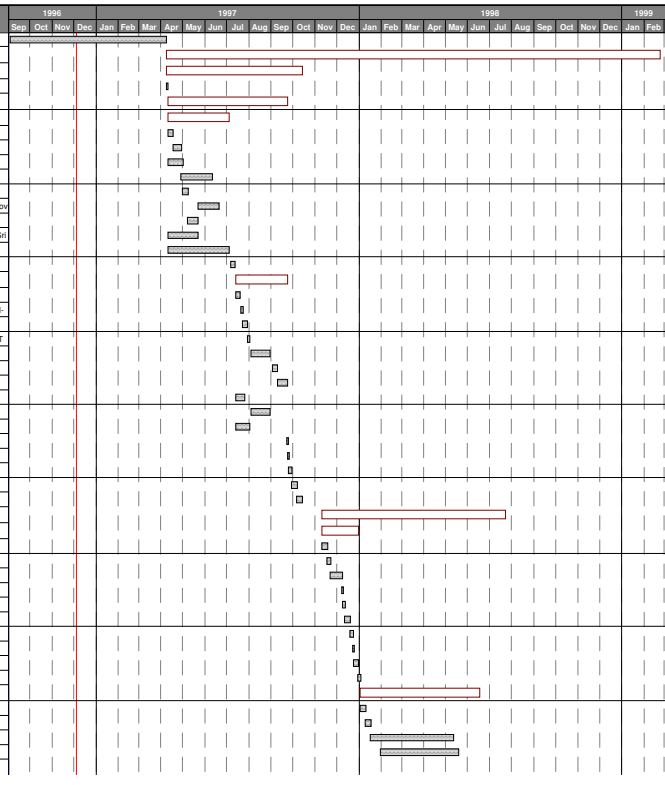
NITEOWL

Ro Nu	Task Name	Duration	Resources
1	Proposal Submission and Approval	150.00d	
2	**Project**	**473.50d**	
3	**PHASE A**	**131.50d**	
4	Requirements Definition	2.00d	Steele
5	**Preliminary Experiment Design**	**115.00d**	
6	**Experiment Modelling**	**60.00d**	
7	Sensitivity Evaluation	5.00d	PC & IDL, Grad Student (Steele), Steele, Johnston
8	Optics Raytracing and Optimization	8.00d	Grad Student (Steele), Steele, Johnston
9	Parachute/Payload Dynamics Study	15.00d	Grad Student (Bugg), Smolyakov
10	Structural/Thermal Modelling	30.00d	Grad Student (Bugg), Bugg
11	Instrument Modelling	5.00d	Grad Student (Steele), Smolyakov
12	Synthetic Data Preparation	20.00d	Grad Student (Steele), Grad Student (Dolovich), Smolyakov
13	Calibration Procedures Study	10.00d	Grad Student (Steele), Koustov, Smolyakov, Johnston
14	Algorithm Development - Spectral Inversion	30.00d	Grad Student (Steele), Grad Student (Dolovich), Steele, Sri
15	Data Compression	60.00d	Grad Student (Bolton), Srinivasan
16	Requirements Review	5.00d	Steele, Sniezek, Bristol
17	**Experiment Specification and Description**	**50.00d**	
18	Optics (including baffling)	5.00d	Grad Student (Steele), Steele, Ivanov, Johnston
19	Detector System	2.00d	Grad Student (Steele), Grad Student (Bolton), Steele, SCI-
20	Data Compression / Handling	5.00d	Grad Student (Bolton), Srinivasan, SCI-TEC
21	Environment Monitoring Including Ozonesonde	3.00d	Grad Student (Bugg), Grad Student (Bolton), Bristol, SCI-T
22	Electronics	20.00d	Grad Student (Bolton), SCI-TEC
23	Telemetry Interface	5.00d	Grad Student (Bolton), Bristol, SCI-TEC
24	Power Supply	10.00d	Grad Student (Bolton), Bristol, SCI-TEC
25	Data Storage	10.00d	Koustov, Bristol, SCI-TEC
26	Mechanical System and Payload Interface	20.00d	Grad Student (Bugg), Bristol, SCI-TEC
27	Tomographic Analysis of Synthetic Data	15.00d	Grad Student (Dolovich), Smolyakov, Soteros
28	Detailed Scheduling	1.50d	Steele, Sniezek
29	Detailed Management	1.00d	Steele, Sniezek
30	Detailed Cost Analysis	2.00d	Steele, Sniezek
31	Detailed Risk Analysis	5.00d	Grad Student (Bolton), Steele, Sniezek
32	Preliminary Design Review	5.00d	Steele, Sniezek
33	**PHASE B**	**175.00d**	
34	**Experiment Implementation**	**33.00d**	**SCI-TEC, IO**
35	Layout	4.00d	SCI-TEC (CAD), SCI-TEC (ME)
36	Imaging Spectrograph (IS) Including Readout	4.00d	SCI-TEC (CAD), SCI-TEC (EE), SCI-TEC (ME)
37	Power Supply	10.00d	SCI-TEC (CAD), SCI-TEC (EE)
38	Ozonesonde	1.00d	SCI-TEC (CAD), SCI-TEC (ME)
39	Environment Monitoring	3.00d	SCI-TEC (CAD), SCI-TEC (EE), SCI-TEC (ME)
40	Data Compression Firmware / Hardware	5.00d	SCI-TEC (CAD), SCI-TEC (PA)
41	Electrical Interface	2.00d	SCI-TEC (CAD), SCI-TEC (EE)
42	Mechanical Structure	1.00d	SCI-TEC (CAD), Bugg, SCI-TEC (ME)
43	Mechanical Interface	3.00d	SCI-TEC (CAD), SCI-TEC (ME)
44	Critical Design Review	2.00d	CSA, Steele, Sniezek, SCI-TEC (EE), SCI-TEC (ME)
45	**Experiment Integration and Test**	**115.00d**	
46	Generate Parts List	5.00d	
47	Generate Requisitions	5.00d	
48	Parts Delivery	80.00d	
49	Inspection and Testing of Parts	75.00d