

**“It Shouldn’t Take That Long” (But It Does)  
Examples**



**Naval Oceanographic Initiatives - October 1984:  
Build Three New AGORS, Upgrade *Kuamotehville***

**AGOR-13 (700000)**

- 101 Ocean Experiment Control
- 104 OCEANOGRAPHIC Systems
- 105 Power Supply System (with secondary system)
- 106 Funds Approval and
- 108 (Per) EFT
- 107 (Org) Crew 4
- 103 (Doc) Data Collection

- 108 (Per) Delivery
- 101 Crew Plan

**AGOR-14 (800000)**

- 101 Funds Approval and

- 103 Data Collection

- 101 Crew Plan

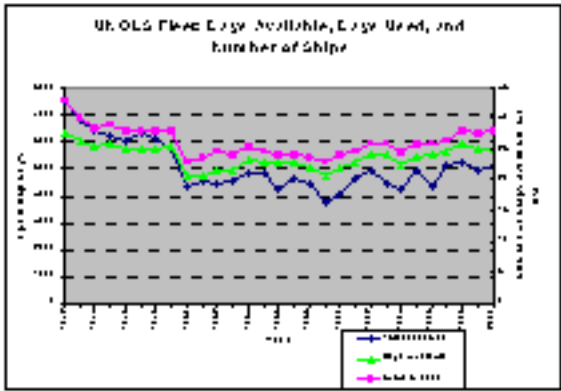
**AGOR-15 (400000)**

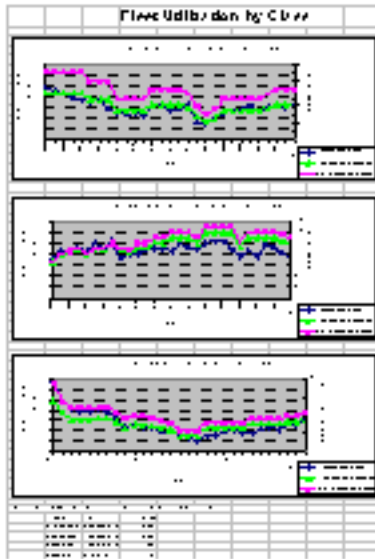
- 101 Funds Approval and

- 103 Data Collection

- 101 Crew Plan







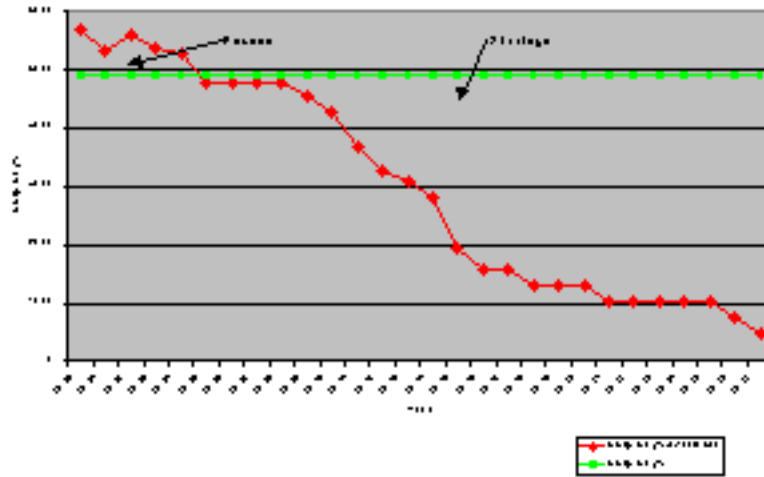
**Figure 7: The Cost of Replacement**

One-to-One Replacement Cost Estimates

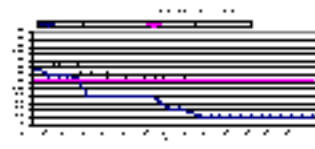
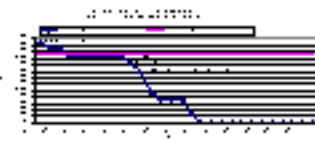
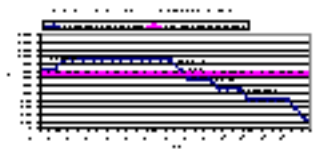
	02	03	04	05	06	07	08	09	10	11	12	13	14	Grand Total
<b>Global @ \$60 M</b> (B&B, Z, X-ray, Z-ring)						Design 10M		6M	6M				6M	190M
<b>Interfac @ \$10M/1.5M</b> (Linnard, Johnson, Wiggins, Zwickner, Cline, Chavira, New Horizon, Zebra Link, Fibertec, Capa Station, Alpha, Ellis Spread)	Design 3M	4.5M			3M	3M	3M	3M	6M			3M	4.5M	73M
<b>Local @ 15 M</b> (Capa, Zwickner, Wiggins, Zwickner, Zebra Link, Fibertec, Longhorn, Ship -200 ft are not included in cost)	Design 2M	3M							15M	15M				77M
<b>Grand Total</b>														<b>\$640M</b>

Note: Construction Time: Large Ship = 5 years, Intermediate Ship = 1 year, Small Ship = 1 year  
 Construction are in FY2000 Construction Dollars. Capa, Alpha, Wiggins and Longhorn scheduled to go on stream in FY 2001

To M211 Page Available vs Average 211 Page Messes



**Depth of Fine IEMg Deposition from geEkip Deps Profile**



Projected Useful Life of UNOLS Ships

