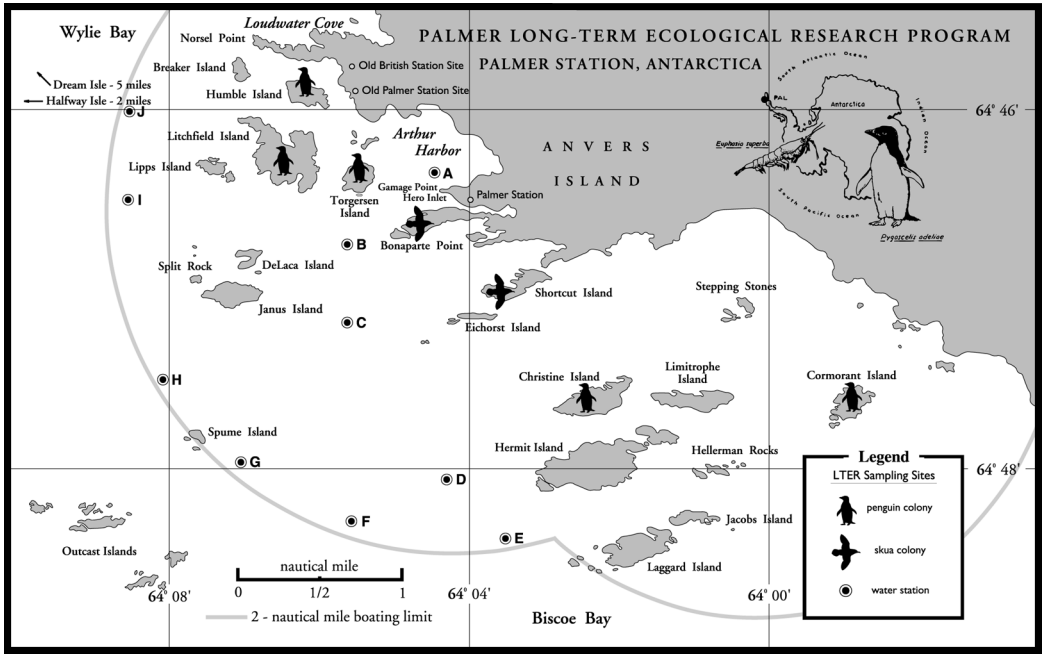
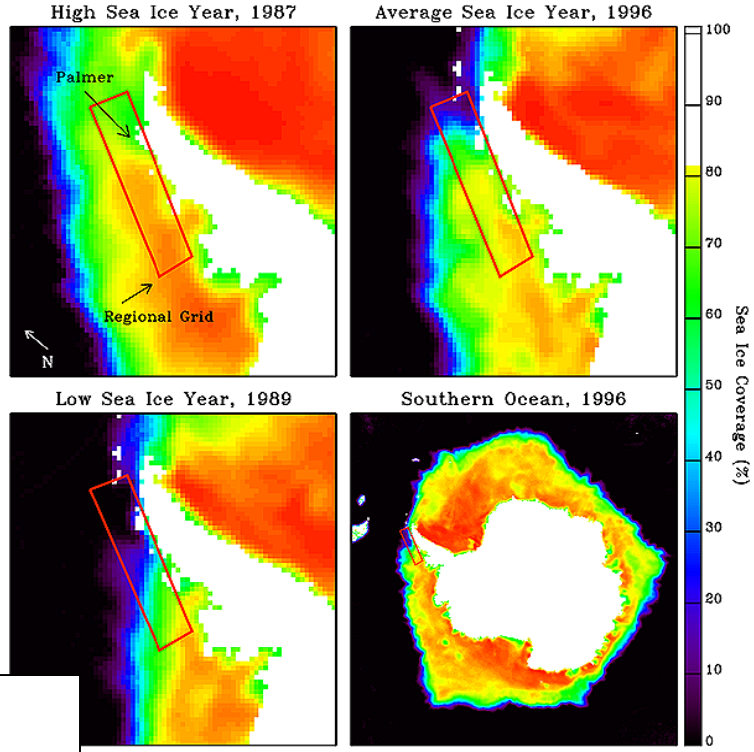
Table 2.4. Time budget for summer grid cruises.		
Science Operations	**Explanation**	**Time (30 d cruise)[1]**
		---------- days ----------
On- and offloading at Palmer Station	1 day ea before and after cruise	2
Core Grid (200.000-600.200 lines[2])	47 stations @ 4 stations/day @ 4 hr/station and transit time	12
Sediment trap re-deploy		1
Outer Grid Stations with transit (500.220, 500.240, 600.220, 600.240)	4 stations @ 6 hr/station and transit time	1.5
Inner Marguerite Bay Stations (200.-20 to 200.-80)	4 stations @ 4 h/station and transit time	1
Inshore Stations (Lemaire and Grandidier Channels, Crystal Sound)	2 d each at N and S inside	4
Picket lines (bird obs)		2
High density prey-predator survey	2 grids @ 1 day/grid	2
Avian Island bird census, prey sampling, Rothera collaboration		2
A-E stations at Palmer	As above	2
Contingency		0.5
Total science		**30**

[1]30 days of "science time" not including transits between Punta Arenas, Chile and Palmer Station. The transits add about 8 days to the total cruise time.
[2] See Figure 2.1a.





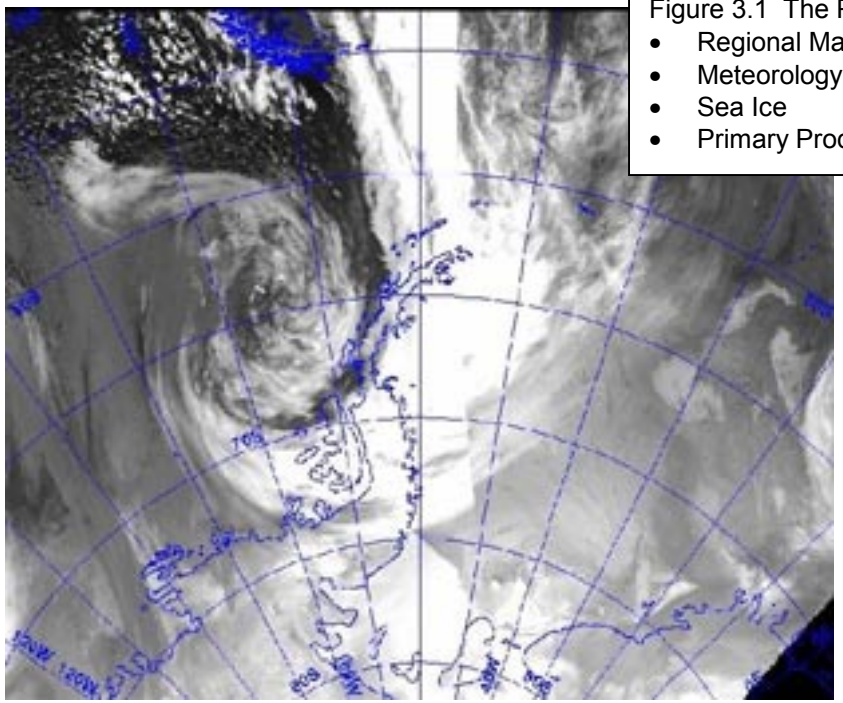
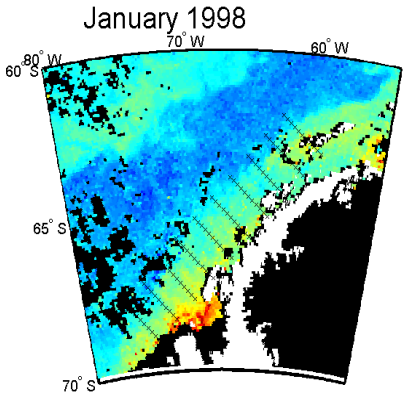
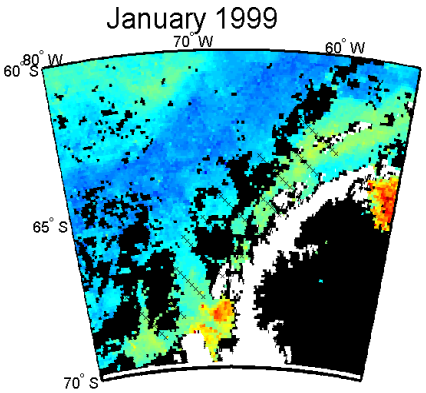


Figure 3.1 The Palmer LTER Site.

- Regional Map
- Meteorology
- Sea Ice
- Primary Productivity





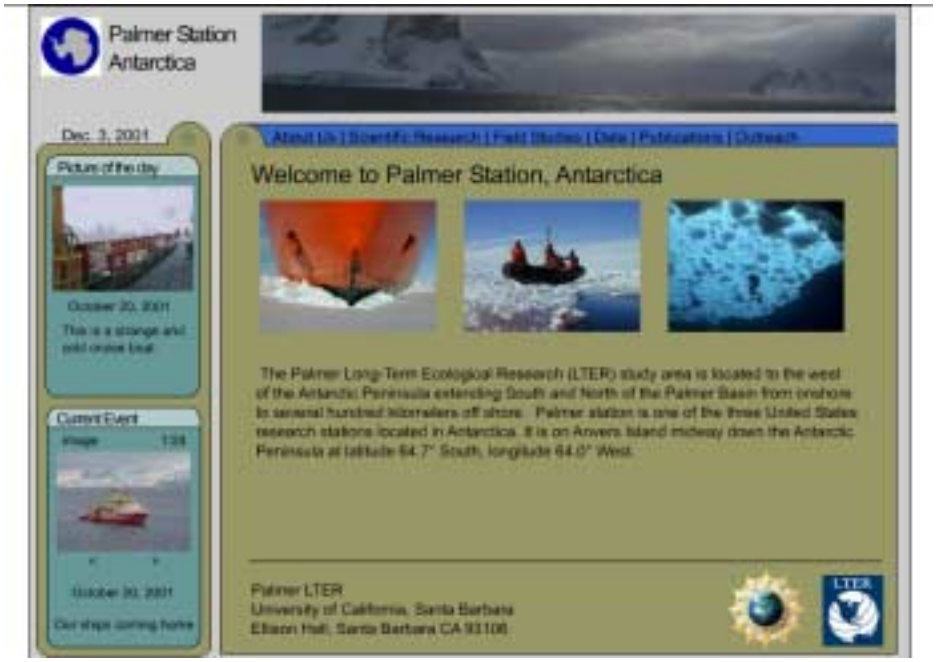


Figure 4.1. The new PAL website housing interfaces to data management and archiving infrastructure at ICESS, UCSB, as well as a user-friendly portal for the public, K-12 students, etc to enter the world of PAL.

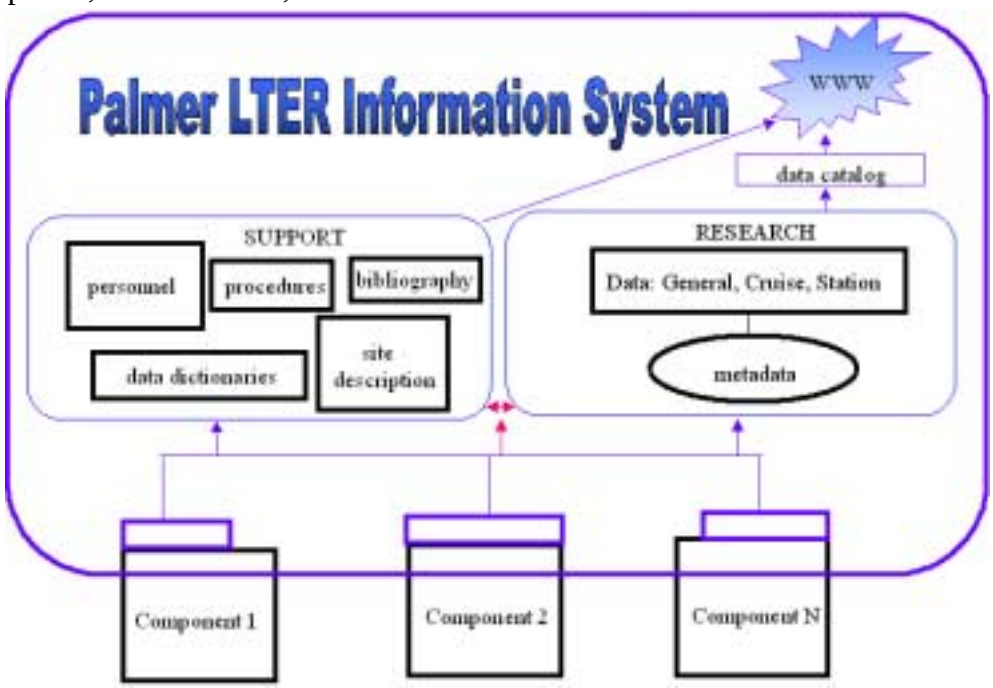


Figure 4.2. The Palmer LTER information structure (Baker, 1996; Baker, 1998)

Table 5.1. Palmer LTER Graduate Students: 1996-2002				
Name	Degree	Year	Institution	Title
C.Carrillo	PhD	Ongoing	U.Hawaii	Dissolved Inorganic Carbon Dynamics in Seawaters: Cross site Comparison Between the Western Antarctic Peninsula and the North Pacific Sub-tropical Gyre
I.Garibotti	PhD	Ongoing	Scripps	Phytoplankton Community Structure in the LTER Study Region Based on Microscopy Analysis
S.Oakes	PhD	Ongoing	UCSB	Modeling of Physiological Processes in Larval Antarctic Krill
S.Stammerjohn	PhD	Ongoing	LDEO	Southern Ocean Ice
M.Church	PhD	Ongoing	VIMS	Bacterial-Dissolved Organic Matter Dynamics in a Variety of Marine Ecosystems
R.Daniels	MSc	Ongoing	VIMS	Network Analysis and Inverse Solutions to Plankton Food webs
S.White	MSc	Ongoing	UCSB	Community Composition of Hard Bottom Benthos in Maritime Antarctic
H.Dierssen	PhD	2000	UCSB	Remote Sensing of Chlorophyll and Primary Production West of the Antarctic Peninsula
K.Patterson	PhD	2000	UCSB	Contribution of Chromophoric Dissolved Organic Matter to Attenuation of Ultraviolet Radiation in Three Contrasting Coastal Areas
D. Patterson	MSc	2000	MSU	The Effects of Human Activity and Environmental Variability on Long-Term Changes in Adelie Penguin Populations at Palmer Station, Antarctica
D.Smith	PhD	1999	ODU	Modeling and Observational Studies of Sea Ice-Mixed Layer Interactions on the West Antarctic Peninsula Shelf
K.Bjorkman	PhD	1999	UHawaii	Phosphorus Fluxes in the Upper Oligotrophic Ocean
E.Chapman	MSc	1999	MSU	Small Mammal and Vegetation Sampling
M.Rosenshield	MSc	1999	MSU	Ecotoxicology of Amphibians in the Green Bay Watershed
K.Haberman	PhD	1998	UCSB	Grazing by the Antarctic Krill, Euphausia superba
N.Karnovsky	PhD	1997	MSU	The Fish Component of Pygoscelid Penguin Diets
T.Mader	Msc	1997	MSU	Temporal Variation in Leopard Seal Presence and Predation Near an Antarctic Penguin Rookery
C.Shaw	MSc	1997	UCSB	Effect of Sea Ice Conditions on Physiological Maturity of Female Antarctic Krill
C.Lascara	PhD	1996	ODU	Seasonal and Mesoscale Distribution of Antarctic Krill, Euphausia superba, in Relation to Environmental Variability
M.Moline	PhD	1996	UCSB	Variability and Regulation of Coastal Antarctic Phytoplankton Dynamics on Interannual, Seasonal and Sub seasonal Time Scales (1991-1994)