

CRUISE PLAN

R/V Sproul: dates of CRUISE: 11/9-12

Objectives:

- CTD work in San Diego Area (day 1 and day 2), including 24 hour CTD station transect near Blacks Beach combined with AUV survey .
- Equipment testing on Day 3 in tanner bank region (no moorings here)
- Drifter and temporary moored tests of acoustic listener, wave buoys, and wind buoys
- At-sea tests of radio controlled airplane with imager and video downlink

Ship needs:

CTD, ADCP, small boat

Science gear: Terrill seavan

Participants:

Eric Terrill UCSD

Sung Yong Kim UCSD

Joel Hazard UCSD

Billy Middleton UCSD

Evan Walsh UCSD

Gene Robinson RP Flight Systems (will be signed up as UC volunteer)

Restechs (2)

Friday 11/6

Load ship, Terrill SEAVAN

11/9

Summary: CTD survey work, drifter deployments

0800 Depart MARFAC Transit south to mouth of TJ river to waypoint 1

0930 Begin CTD survey (see figure below) deploy wave buoy drifter1 at waypoint 4

1600 (est) arrive at waypoint 17 (point C). BEGIN 24 CTD work along transect defined by waypoint 18 and waypoint 28. Note: science party will support off-hour survey work.

Deploy wave buoy drifter 2 near point C

Deploy windbuoy drifter1 near point C

Deploy listener drifter

Early evening: deploy remus AUV for 12 hour mission

11/10

AM recover remus 100 AUV

Continue CTD stations until 1600

Conduct instrumentation testing along transect

Conduct flight tests of r/c plane

1600 complete CTD lines

Recover drifters

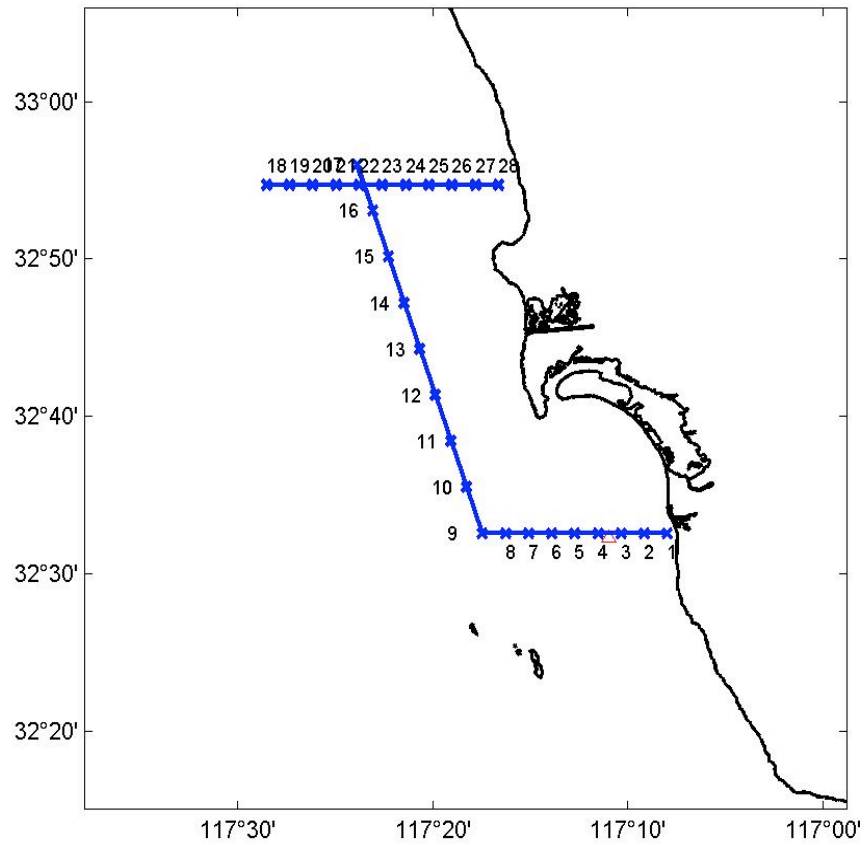
Steam offshore to Tanner Bank region in evening

11/11

Conduct daytime ops of equipment tests (acoustic listener, R/C plane, drifters)

Complete ops at sunset, return to MARFAC

11/12 OFFLOAD



	Longitude	Latitude	
A	1	-117.133100	32.542800
	2	-117.152820	32.542800
	3	-117.172530	32.542800
	4	-117.192250	32.542800
	5	-117.211960	32.542800
	6	-117.231680	32.542800
	7	-117.251400	32.542800
	8	-117.271110	32.542800
B	9	-117.290830	32.542800
	10	-117.304140	32.591620
	11	-117.317450	32.640430
	12	-117.330770	32.689250
	13	-117.344080	32.738070
	14	-117.357400	32.786880
	15	-117.370710	32.835700
	16	-117.384020	32.884520
C	17	-117.397340	32.933330
D	18	-117.474960	32.912030
	19	-117.455160	32.912030
	20	-117.435360	32.912030
	21	-117.415570	32.912030
C	22	-117.395770	32.912030
	23	-117.375970	32.912030
	24	-117.356170	32.912030
	25	-117.336380	32.912030
	26	-117.316580	32.912030
	27	-117.296780	32.912030
	28	-117.276990	32.912030
E	29	-117.133100	32.542800