

2007 SMILE Winter Activity
Buoy Data

Station 46027 - ST GEORGES - 8NM West Northwest of Crescent City, CA

Owned and maintained by National Data Buoy Center
3-meter discus buoy
VEEP payload
41.85 N 124.38 W (41°51'06" N 124°22'54" W)

Site elevation: sea level
Air temp height: 4 m above site elevation
Anemometer height: 5 m above site elevation
Barometer elevation: sea level
Sea temp depth: 0.6 m below site elevation
Water depth: 47.9 m
Watch circle radius: 122 yards



"Potential Explosion Hazard Exists for this Buoy"

[Latest NWS Marine Forecast 1](#) and [Latest NWS Marine Forecast 2](#)

[Important Notice to Mariners](#)

[Search And Rescue \(SAR\) Data](#)













[Meteorological Observations from Nearby Stations and Ships](#)

[Latest Satellite Wind Map for this Area](#)

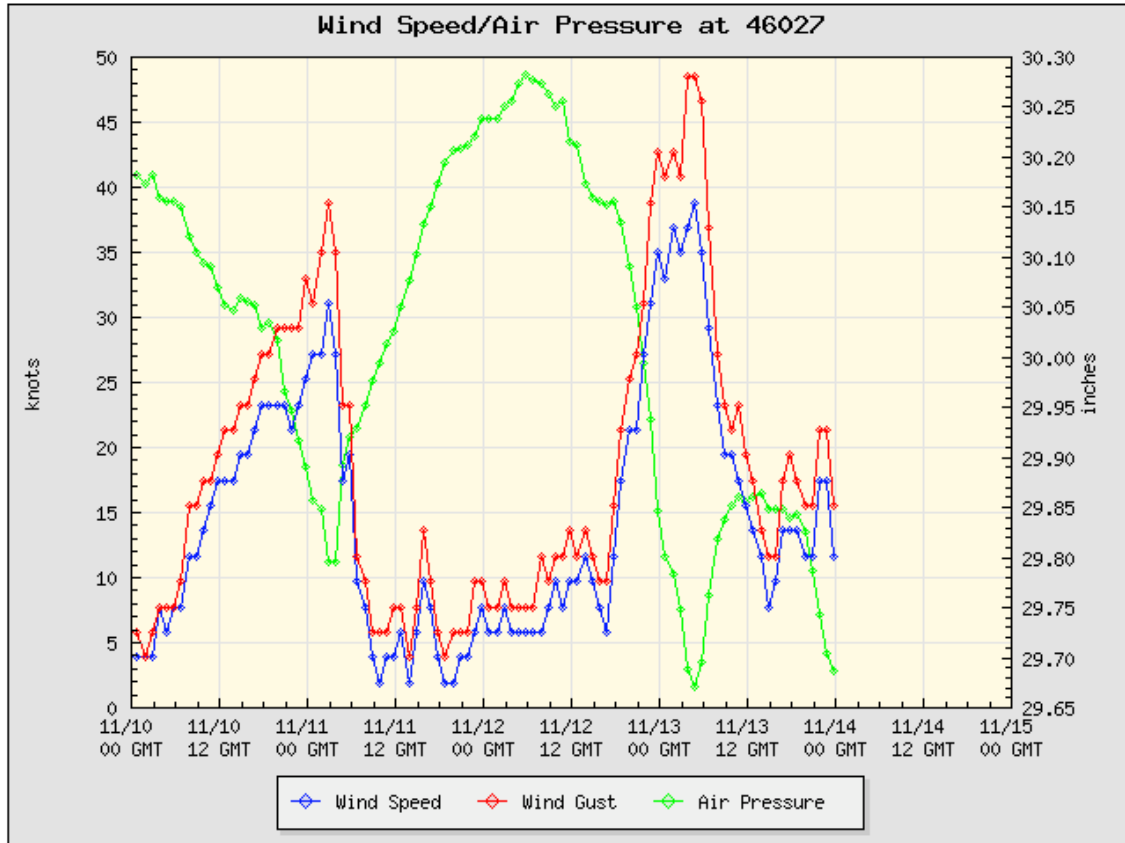
Conditions at 46027 as of
(3:50 pm PST)
2350 GMT on 11/13/2006:

Unit of Measure: Time Zone:

Click on the graph icon in the table below to see a time series plot of the last five days of that observation.

	Wind Direction (WDIR):	SW (220 deg true)
	Wind Speed (WSPD):	11.7 kts
	Wind Gust (GST):	15.5 kts
	Wave Height (WVHT):	15.7 ft
	Dominant Wave Period (DPD):	11 sec
	Average Period (APD):	8.0 sec
	Mean Wave Direction (MWDIR):	WNW (283 deg true)
	Atmospheric Pressure (PRES):	29.69 in
	Pressure Tendency (PTYD):	-0.10 in (Falling Rapidly)
	Air Temperature (ATMP):	55.2 °F
	Water Temperature (WTMP):	53.8 °F
	Combined plot of Wind Speed, Gust, and Air Pressure	

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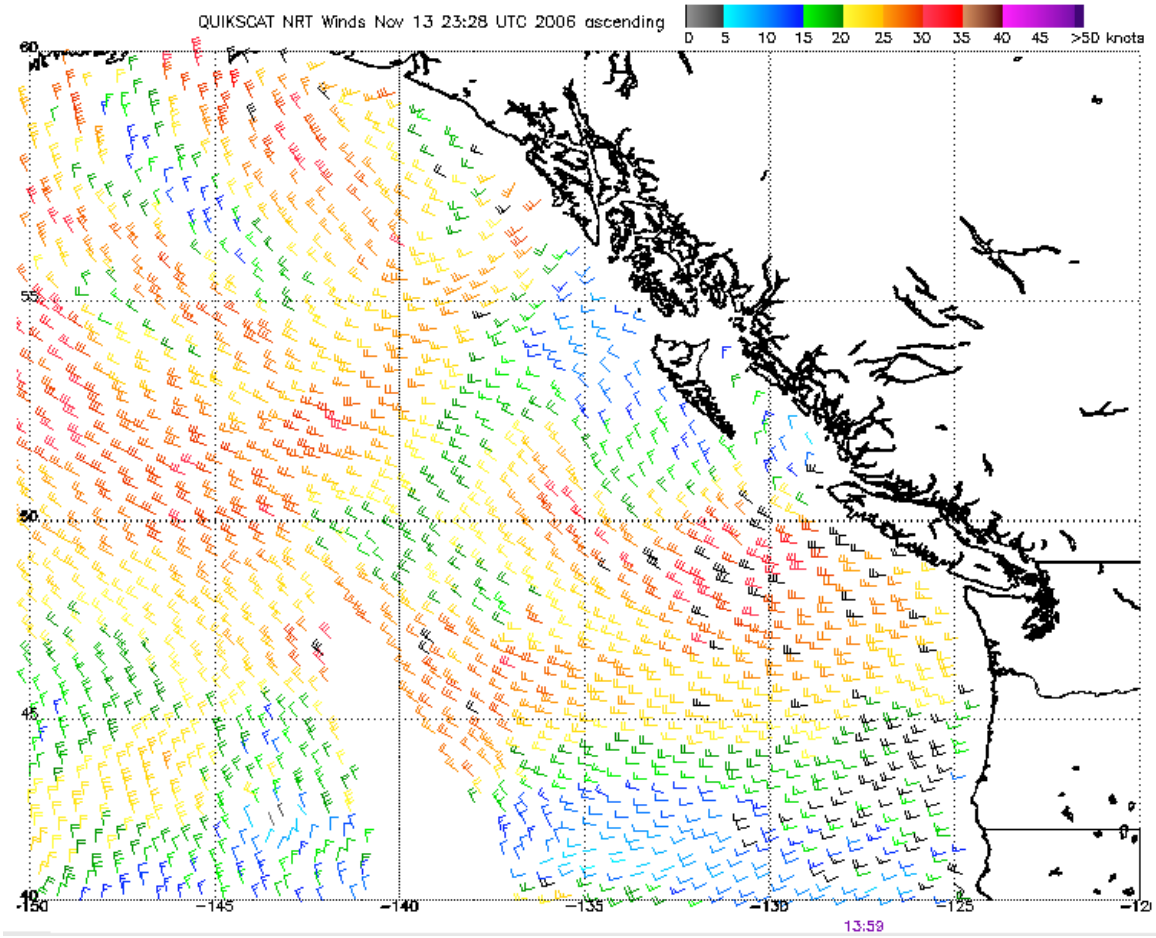
Continuous Winds

TIME (PST)	WDIR	WSPD
3:50 pm	SW (214 deg)	12.2 kts
3:40 pm	SSW (210 deg)	13.0 kts
3:30 pm	SSW (200 deg)	15.2 kts
3:20 pm	S (189 deg)	15.9 kts
3:10 pm	S (189 deg)	15.0 kts
3:00 pm	S (184 deg)	16.9 kts

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Station 46027 is located at 41.85 N 124.38 W (41°51'06" N 124°22'54" W)



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Ocean Current Data for 46027

These ocean current data are displayed in [rounded times](#).

Unit of Measure: Time Zone:

Depth ft	4:00 pm PST		3:00 pm PST		2:00 pm PST		1:00 pm PST	
	Dir °	Speed kts	Dir °	Speed kts	Dir °	Speed kts	Dir °	Speed kts
20	280	0.29	300	0.14	290	0.12	250	0.02
26	270	0.29	270	0.12	270	0.12	220	0.10
33	260	0.29	250	0.16	270	0.12	210	0.12
39	260	0.29	250	0.14	260	0.12	210	0.12
46	260	0.31	240	0.16	250	0.14	210	0.14
52	260	0.31	230	0.16	250	0.14	200	0.14
59	250	0.33	220	0.16	240	0.14	200	0.14
66	250	0.33	210	0.16	240	0.14	200	0.14
72	250	0.31	210	0.16	230	0.14	200	0.16
79	250	0.33	210	0.16	230	0.12	200	0.16
85	260	0.31	200	0.14	220	0.10	190	0.12
92	250	0.31	210	0.14	210	0.10	190	0.12
98	250	0.31	210	0.12	210	0.10	190	0.10
105	250	0.29	220	0.12	210	0.08	180	0.10
112	240	0.27	230	0.12	220	0.08	180	0.08
118	240	0.25	240	0.10	260	0.08	180	0.10
125	230	0.25	250	0.12	280	0.12	190	0.08
131	210	0.23	250	0.10	290	0.12	220	0.06
138	200	0.27	240	0.08	290	0.12	250	0.08
144	190	0.31	220	0.08	290	0.12	270	0.08
151	180	0.35	210	0.08	290	0.12	280	0.12
157	180	0.43	190	0.12	280	0.08	270	0.12

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NWS Forecast

COASTAL WATERS FORECAST FOR CALIFORNIA
NATIONAL WEATHER SERVICE EUREKA CA
300 PM PST MON NOV 13 2006

PT ST GEORGE TO PT ARENA AND OUT 60 NM

PZZ400-140600-
300 PM PST MON NOV 13 2006

SYNOPSIS FOR NORTHERN CALIFORNIA WATERS

A WEAK FRONTAL BOUNDARY WILL MOVE ACROSS THE COASTAL WATERS LATE THIS AFTERNOON THROUGH EARLY EVENING. THEN...A WEAK HIGH PRESSURE SYSTEM WILL BRIEFLY BUILD OVER THE REGION ON TUESDAY...BEFORE ANOTHER FRONT APPROACHES ON WEDNESDAY. AHEAD OF THIS FRONT EXPECT INCREASING SOUTHERLY WINDS BEGINNING LATE TUESDAY NIGHT. THE FRONT WILL MOVE INLAND ON THURSDAY. THEN ANOTHER WEAK HIGH PRESSURE SYSTEM WILL BUILD OVER THE COASTAL WATERS ON FRIDAY

PT ST GEORGE TO CAPE MENDOCINO OUT 20 NM-
PT ST GEORGE TO CAPE MENDOCINO 20 TO 60 NM-
300 PM PST MON NOV 13 2006

...SMALL CRAFT ADVISORY FOR WINDS IN EFFECT UNTIL MIDNIGHT PST TONIGHT...
...SMALL CRAFT ADVISORY FOR HAZARDOUS SEAS REMAINS IN EFFECT THROUGH FRIDAY EVENING...

TONIGHT

S WIND 20 TO 25 KT...BECOMING SW IN THE EVENING...THEN...BECOMING N 10 TO 15 KT AFTER MIDNIGHT. WIND WAVES 4 TO 5 FT...SUBSIDING TO 2 TO 3 FT. MIXED SWELL NW 11 TO 13 FT AT 12 SECONDS...AND W 10 TO 11 FT AT 11 SECONDS. RAIN LIKELY...THEN SCATTERED SHOWERS.