



NWS Ocean Observing System of Systems: Update for Southern Coastal California

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NDBC's IOOS Strategy



- Augment All Existing Stations (sustainable) with:
 - Temperature/Salinity (T/S) and Currents
 - Some profile, most near-surface (~SFC)
- Augment All Existing Discus Buoys with Directional Waves (Angular Rate Sensors) – National IOOS Wave Plan?
- All Instrumentation Purchased
- Installation with Scheduled Service – USCG
- Complete 2008



To Be Completed 2008

+ indicates sensor to be added
 DW = ARS Directional Waves



Station	Sensors	Comment
46023 (Pt. Arguello)	+T/S Profile, +ADCP (BB), +DW	10 to 3 m
46011 (Santa Maria)	+ ~Sfc T/S, ADCP (active), DW	
✓ 46063 (Pt. Conception)	~Sfc T/S, ADCP, DW	Station Failed June 2007
46054 (Santa Barbara)	+ ~Sfc T/S, + ADCP (BB), + DW	10 to 3m
✓ 46053 (S. Barbara East)	~Sfc T/S, ADCP, DW	March 2007
46025 (S. Monica Basin)	~Sfc T/S, + ADCP, + DW	July 2005
46069 (South S. Rosa)	+ T/S Profile, + ~SFC Currents, DW	Added requirement
✓ 46086 (San Clemente)	~Sfc T/S & Currents, DW	Station Failed; Jun 2007 Service
✓ 46047 (Tanner Banks)	~Sfc T/S & Currents, DW: Mar 07	Currents Failed