

Automated Product Validation



To compare data from different sensors and validate ocean color products for the coastal ocean we have developed an automated system. The back end of the system is a 'mySQL' database, and the front end is a 'php' web portal with pull down menus.

Instruments Comparisons

Satellites

Satellite Selection

Satellite	Wavelength	Product
<input type="checkbox"/> HMERIS (21x21)	560	nLw
<input type="checkbox"/> HMODIS (21x21)	547	nLw
<input type="checkbox"/> MERIS (5x5)	560	nLw
<input type="checkbox"/> MODIS (5x5)	547	nLw
<input type="checkbox"/> VIIRS (5x5)	551	nLw

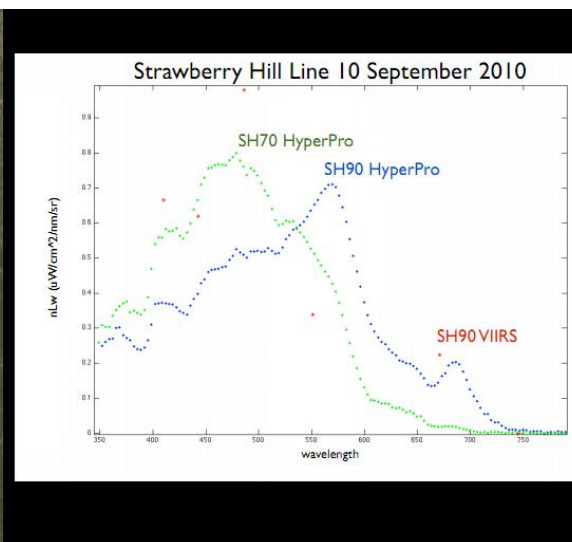
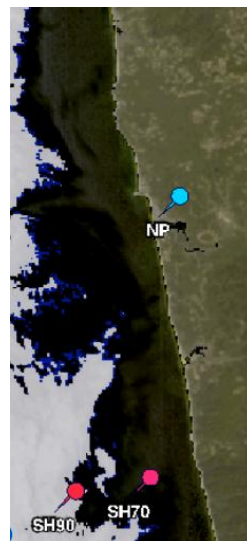
In-Situ

SeaPRISM Selection

Enable	Wavelength	Property	Level
<input type="checkbox"/>	555	nLw (Lwn_FQ)	1.5

HyperPro Selection

Enable	Wavelength	Property	Level
<input type="checkbox"/>	549.5	nLw (Lwn_FQ)	2.0



Use of products from MODIS, MERIS FR, HICO and VIIRS ocean color data requires validation for the complex environments of the coastal ocean. In collaboration with the NRL-SSC, STAR and others we have developed an automated system for coastal product validation.

<http://meris.coas.oregonstate.edu/viirs/index.php>

(Courtesy of N. Tufillaro and C. Davis)

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