

DeepPIV on
v 8.1.0

Ventana #414
17 July 18

9/10/2018

Deployment # 90

Dive Objective/Results:

Deployment Date:

9/10/2018

Recovery Date:

9/10/2018

Person performing topside checklist:

Pre-deployment alignment:

1. Verify that DeepPIV laptop and peripherals are connected (Ethernet, usb, mouse, monitor, AJA/Shogun recorder)
2. Power up DeepPIV
3. Open Sony Camera Software and modify camera settings
4. Verify laser and camera alignment
 - a. Place protective shroud around DeepPIV instrumentation
 - b. Remove protective covers on laser and camera housings
 - c. Check that housing markings on laser and camera housing are aligned
 - d. Power up the laser
 - i. Rotate the dial to 2 V in Laser dialog tab
 - ii. Record output of ADC: _____
 - e. Using focus board after attaching to laser housing, ensure
 - i. Laser sheet and camera axis are aligned: _____
 - ii. Laser sheet is aligned with camera plane: _____
 - f. Power down the laser
 - g. Replace protective covers on laser and camera housings
 - h. Remove protective shroud from DeepPIV instrumentation
 - i. Close Camera software
5. Power down DeepPIV

Pre-deployment:

1. Verify that DeepPIV laptop and peripherals are connected (Ethernet, USB/serial, mouse, monitor, AJA/Shogun recorder)
2. Power up DeepPIV
3. Run pre-dive test program and verify correct operation of the following systems:
 - a. DeepPIV camera (ISO, shutter speed, f-stop, record)
 - i. Open Sony Camera Software
 - ii. Change camera settings
 - b. DeepPIV laser
 - i. Power up the laser, rotate the dial to 2 V
 - ii. Record output ADC: _____
 - iii. Measure laser power: _____