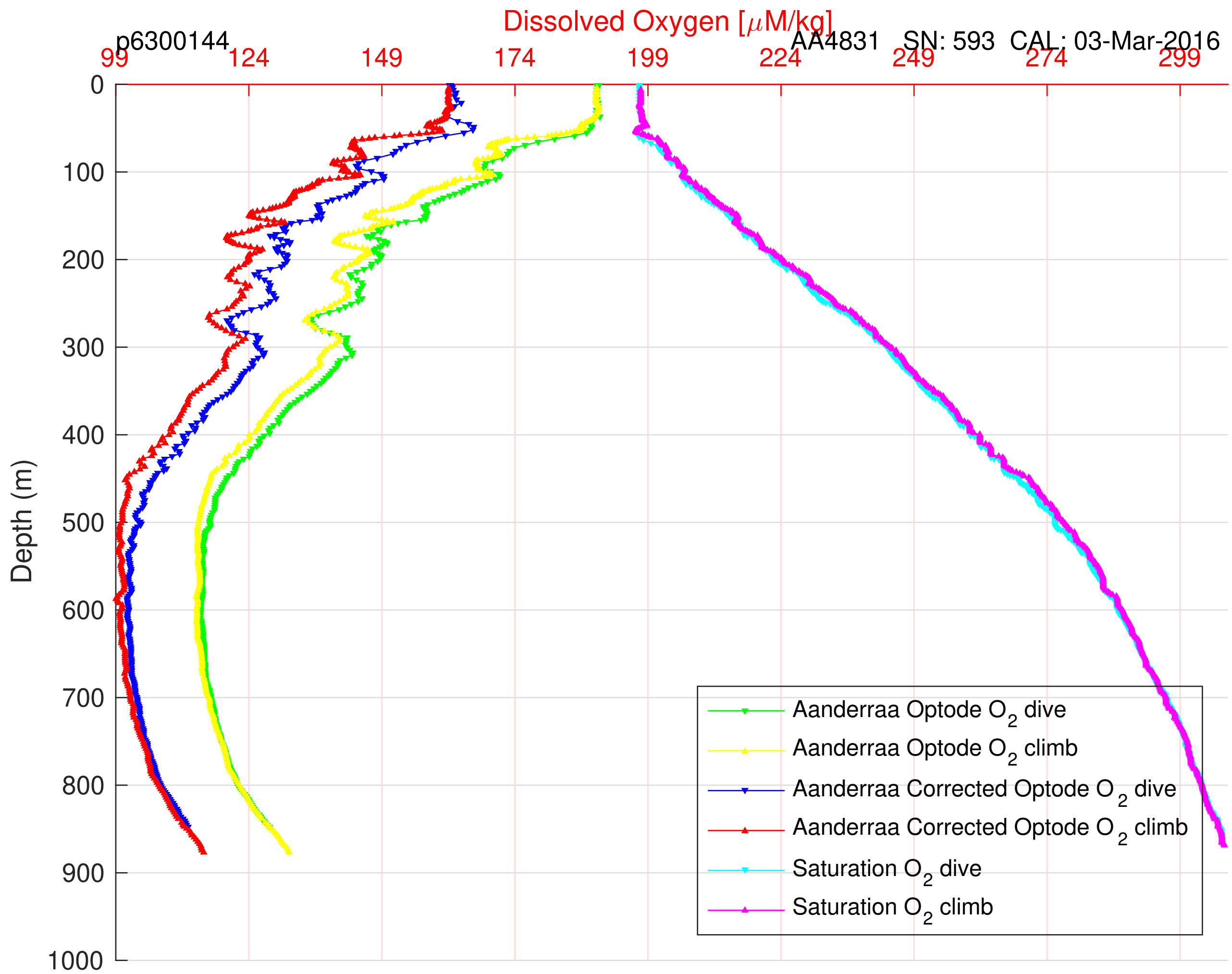
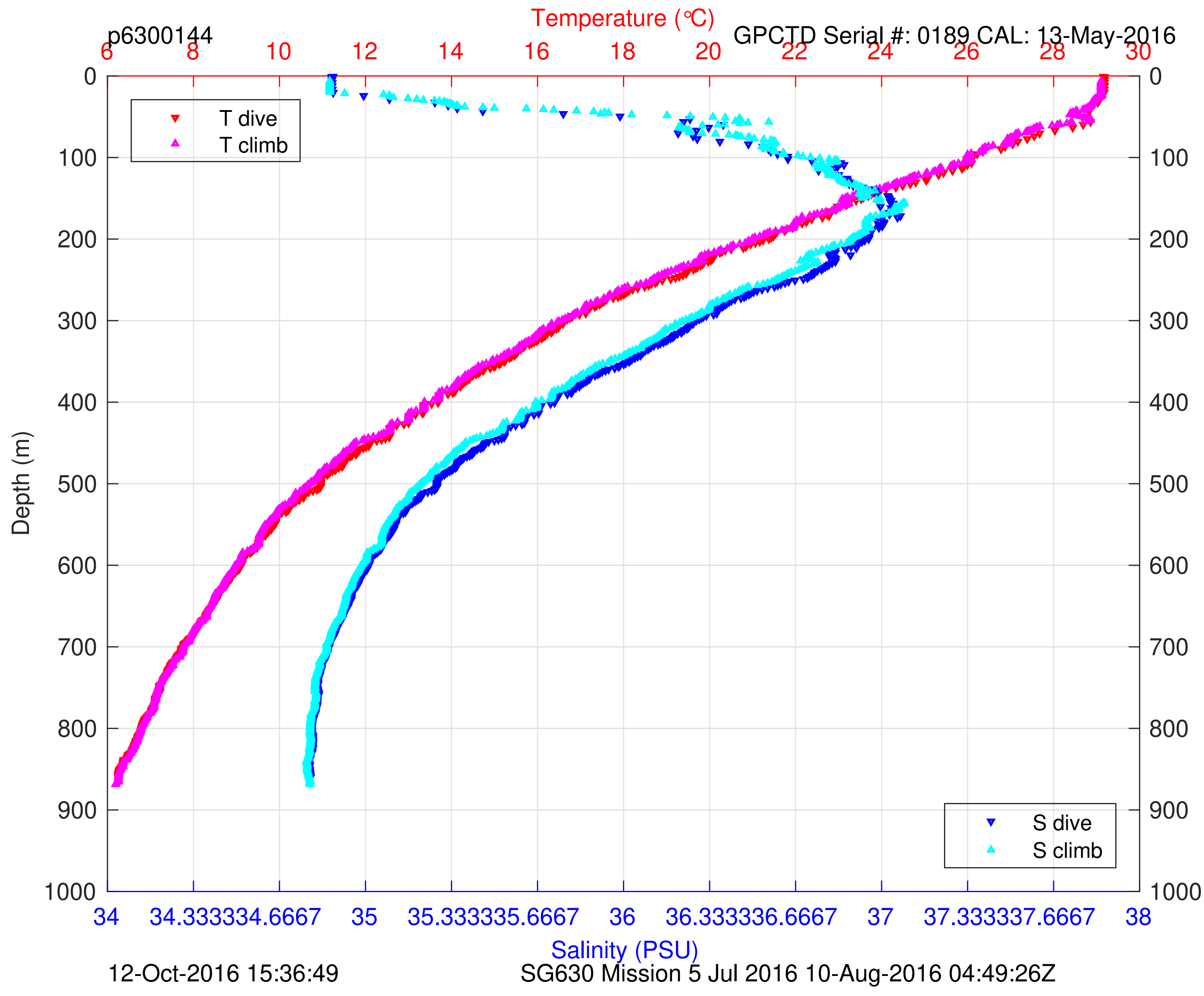
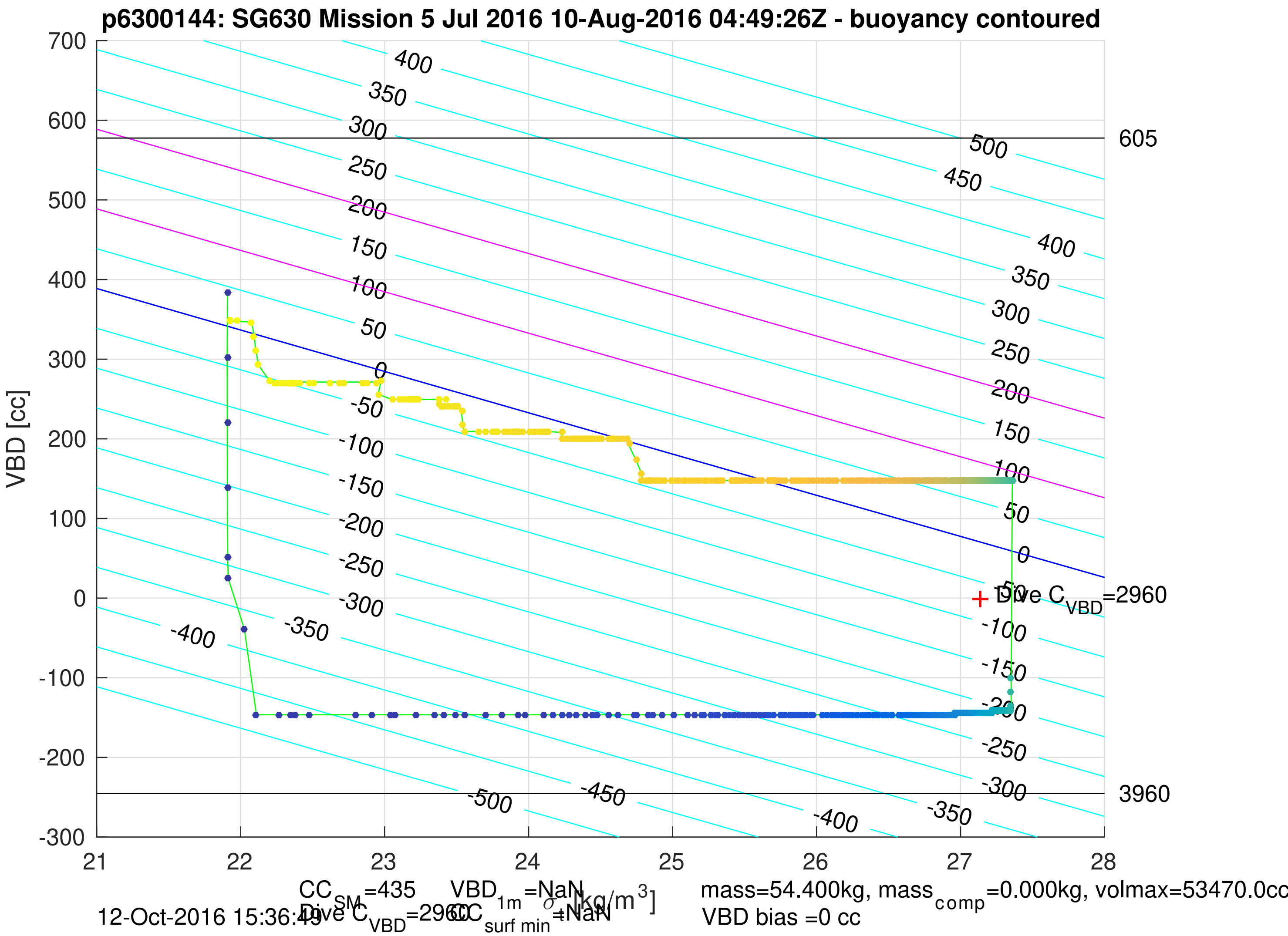
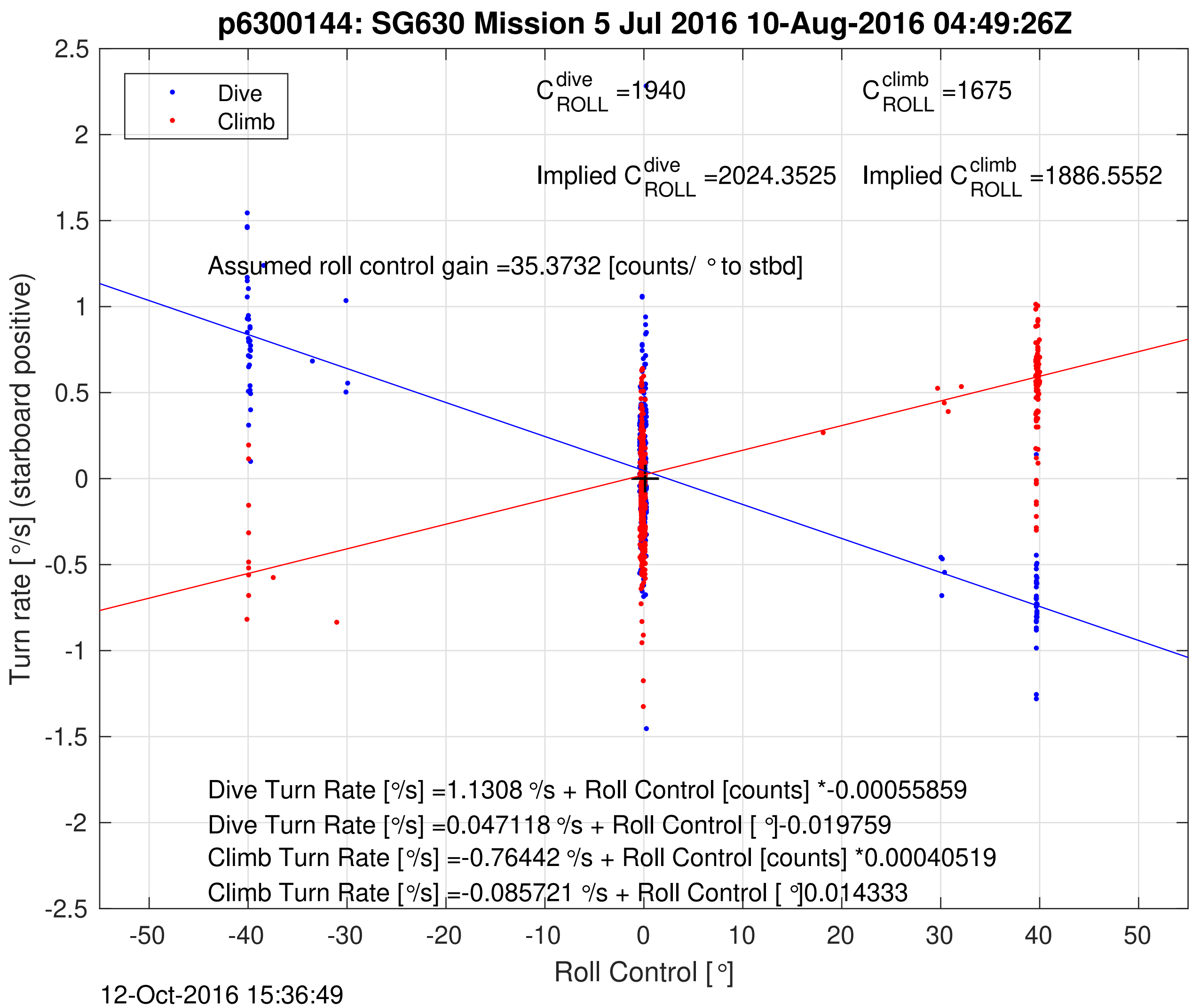


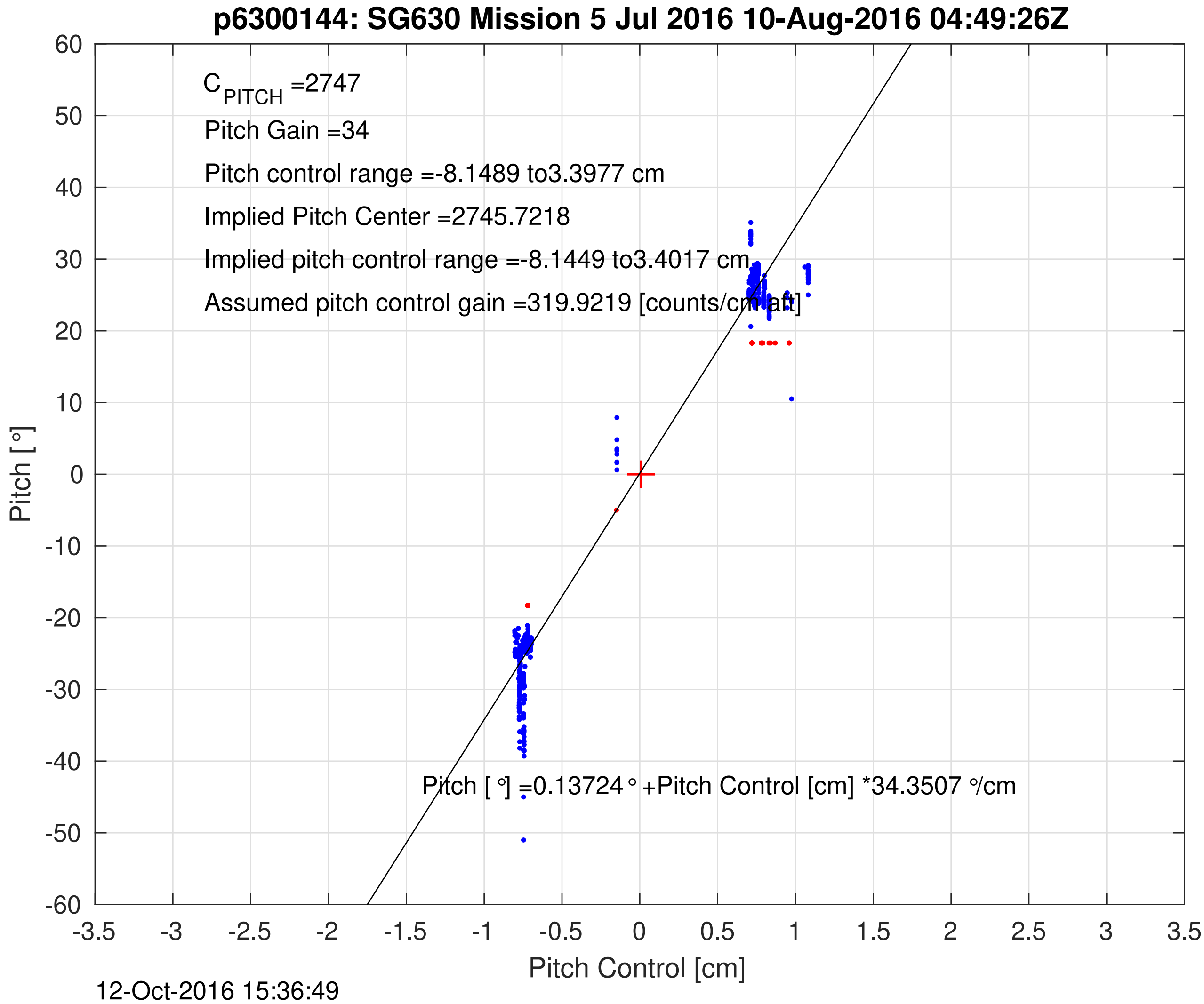
12-Oct-2016 15:36:49 SG630 Mission 5 Jul 2016 10-Aug-2016 04:49:26Z



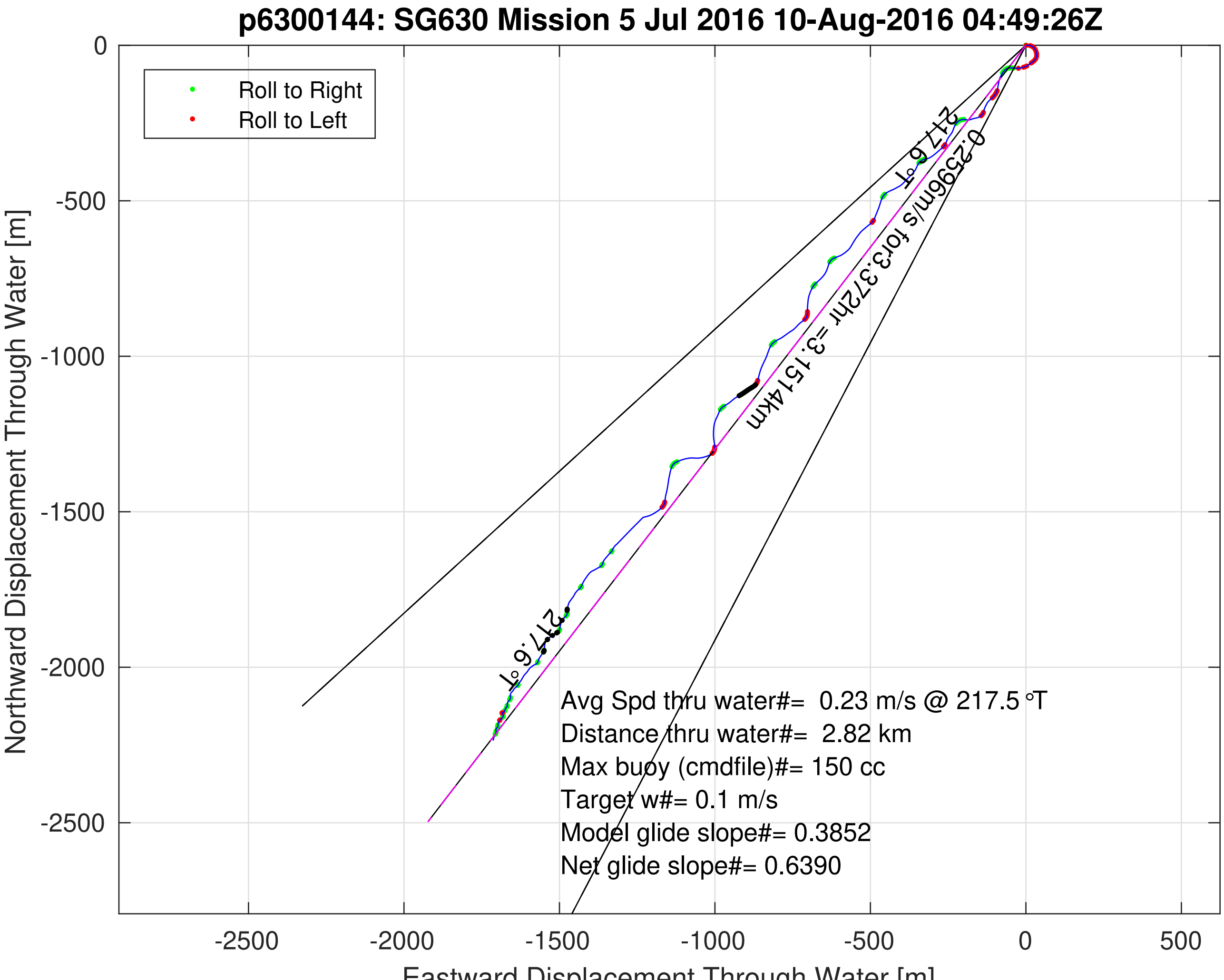
p6300144
Temperature (°C)
GPCTD Serial #: 0189 CAL: 13-May-2016
6
8
10
12
14
16
18
20
22
24
26
28
30
T dive
T climb
S dive
S climb
Depth (m)
0
100
200
300
400
500
600
700
800
900
1000
34
34.333334.6667
35
35.333335.6667
36
36.333336.6667
37
37.333337.6667
38
Salinity (PSU)
12-Oct-2016 15:36:49
SG630 Mission 5 Jul 2016 10-Aug-2016 04:49:26Z


p6300144: SG630 Mission 5 Jul 2016 10-Aug-2016 04:49:26Z - buoyancy contoured
VBD [cc]
605
3960
Dive C_VBD=2960
σ_t [kg/m³]
CC_SM=435
VBD_1m=NaN
mass=54.400kg, mass_comp=0.000kg, volmax=53470.0cc
12-Oct-2016 15:36:49
Dive C_VBD=2960
CC_surf min=NaN
VBD bias =0 cc


p6300144: SG630 Mission 5 Jul 2016 10-Aug-2016 04:49:26Z
Dive
Climb
C_{ROLL}^{dive} =1940
C_{ROLL}^{climb} =1675
Implied C_{ROLL}^{dive} =2024.3525
Implied C_{ROLL}^{climb} =1886.5552
Assumed roll control gain =35.3732 [counts/ ° to stbd]
Dive Turn Rate [°/s] =1.1308 °/s + Roll Control [counts] *-0.00055859
Dive Turn Rate [°/s] =0.047118 °/s + Roll Control [°]-0.019759
Climb Turn Rate [°/s] =-0.76442 °/s + Roll Control [counts] *0.00040519
Climb Turn Rate [°/s] =-0.085721 °/s + Roll Control [°]0.014333
Turn rate [°/s] (starboard positive)
Roll Control [°]
12-Oct-2016 15:36:49



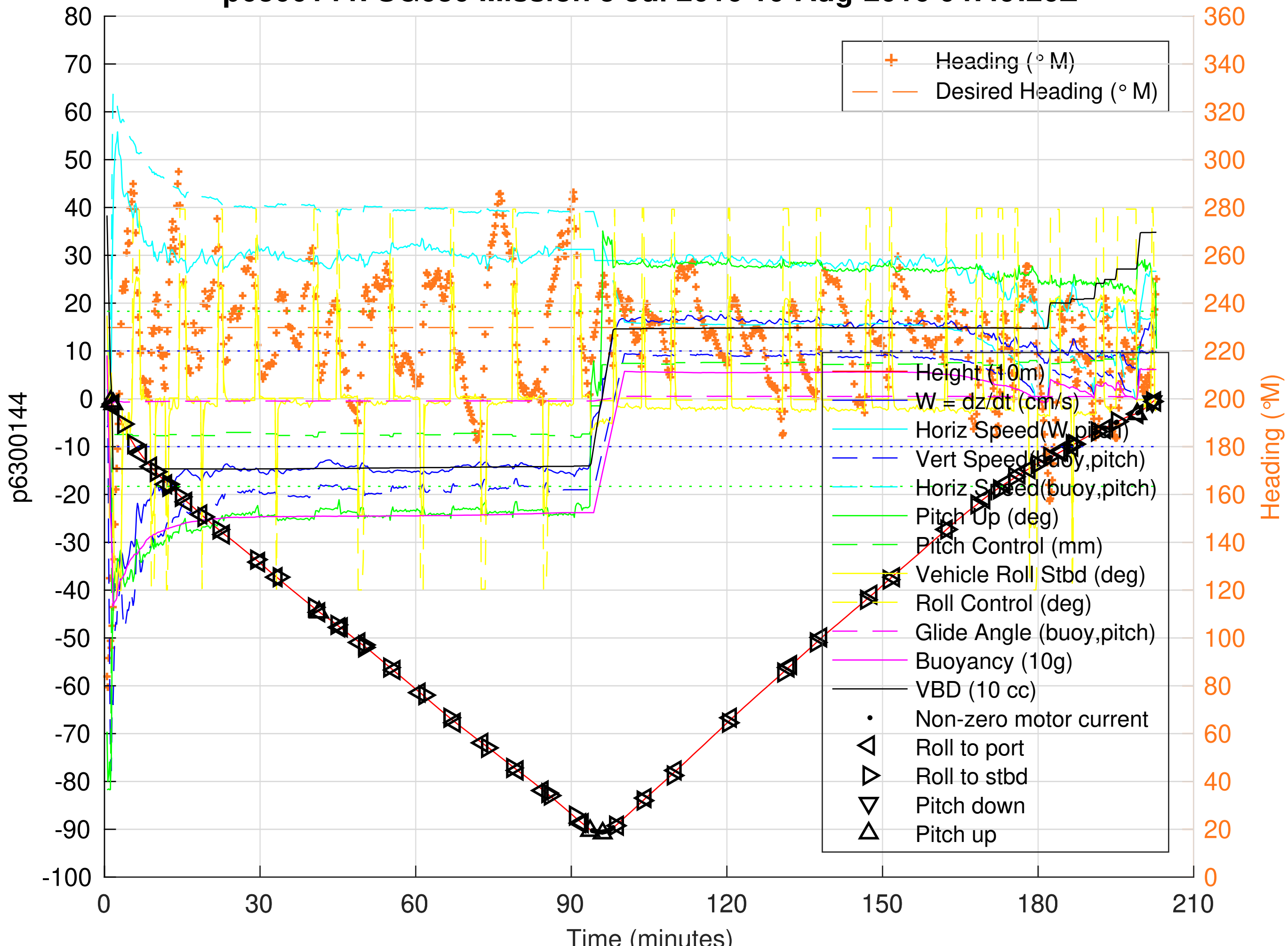
p6300144: SG630 Mission 5 Jul 2016 10-Aug-2016 04:49:26Z
C PITCH =2747
Pitch Gain =34
Pitch control range =-8.1489 to3.3977 cm
Implied Pitch Center =2745.7218
Implied pitch control range =-8.1449 to3.4017 cm
Assumed pitch control gain =319.9219 [counts/cm at]
Pitch [°] =0.13724 ° +Pitch Control [cm] *34.3507 °/cm
Pitch [°]
Pitch Control [cm]
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-3.5
-3
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
12-Oct-2016 15:36:49



12-Oct-2016 15:36:49

mass=54.400kg, $mass_{comp}$=0.000kg, volmax=53470.0cc

p6300144: SG630 Mission 5 Jul 2016 10-Aug-2016 04:49:26Z



12-Oct-2016 15:36:49

mass=54.400kg, $mass_{comp}$=0.000kg, volmax=53470.0cc