

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-592 Date: OCTOBER 14, 2004

Observer: TOM GUILDERSON

Observer Title/Affil.: LAWRENCE LIVERMOORE
LABS

Dive Location: KEAHOLE PT, HAWAII

Latitude: N 19:48.509

Observer: STUART FALLON

Longitude: W 156:07.635

Observer Title/Affil.: LAWRENCE LIVERMOORE
LABS

Time of Dive: 0913

Time of Surface: 1642

Purpose: Research Training Test

Time Submerged: 8:29

Other: _____

Time Thru Last Dive: 3890:37

Special Equipment (Cameras, Manipulators, Samplers, etc.)

Total Time to Dive: 3899:06

SONY DV, ROS COLOR, ROS B&W

Dive Depth: 406 m

HYCO, CTD-DO SENSOR

Water Depth: 406 m

Support Vessel: R/V KAIHIKAI-O-KANALOA

Water Temperature: 9.2°C @ 406 m

Captain: ROSS BARNES

Visibility: CLEAR 20 m

Dive Results/Remarks: Coral survey and collection dive for R. Dunbar, U Stanford.

0846 land on bottom in 389m. Terrain is hard carbonate. Experience slight current from S.
0901 move to S. 0904 391m collect corallium regalia. 0921 move to S. 0932 388m collect corallium
regalia, 0948 continue to S. 1000 388m collect med. size gerardia fossil. 1026 move to S.E. 1040 386m
collect large bamboo coral. 1054 continue to SE through carbonaceous terrain. 1106 traverse
SSE into Gasalt dominated area. 1200 379m terrain is now mostly sandy and flat. Carbonate
and Gasalt outcrops are infrequent. 1205 move N. 1230 387m travelled through sandy plains,
then into region of large submarine lava flow features. No coral observed during entire transect
to N. 1237 move to W. 1253 391m crossed back into carbonaceous terrain with coral. 1320 393m
collect medium size gerardia fossil with two small corallia growing on it. Collect also one large
fossil gerardia stump. 1346 continue to survey and sample coral bed in a generally westerly
direction. 1434 393m at edge of vertical drop-off; explond downward about 50m without sampling.
1439 move to SE. 1502 406m at base of coral covered pinnacle. Collect two large fossil gerardia
Equipment Deficiencies: stumps. 1507 move to E. 1528 394 collect corallium with rock saw.
1604 398m leave the bottom. Make a normal recovery. Titan OOC. Otherwise no failures.

Pilot's Signature: _____

Date: October 15, 2004

Operations Director: _____

Date: October 17, 2004