T-SAIL WiKi:

Start Page

Laboratory Ethernet Network

IP addresses pool
T-SAIL data server

GSM/Irridium/HF communications

SimCard - 091 Mobile

Laboratory Instrumentation

Aharoni CCA channels
ADV - Acoustic Doppler Velocimeter
Wind-Waves Flume Blower Controls
Main blower 10HP motor
ViewWorks 180fps cameras
Flea3 Point Grey (PGR) cameras
HygroClip 2 (HC2) Humidity Temperature Probe
Laser position sensor
Linear actuator
Camera Phantom MIRO-310
MCCDAQ USB-2416-4AO: V and TC card
Motorized Instruments Carriage Controls
Motus-Tech Linear Stage
Parker Linear Stages
Stepper motor
WaveMaker Controls
Wave Monitor - Churchill WG amplifiers
Wind Flume Characteristics
METAPHASE ULC-2 Universal LED Controller

Open Sea/Field Instrumentation

CR data loggers
MSR mini data loggers
RM Young Sonic anemometer
WaveRider 4 Buoy
WaveGauges - OSS WaveStaff

WaveGauges - OSS Pressure
Datawell Waverider 4 Buoy

Velocity Measurements

CTA
Dantec Dynamics Automatic Calibrator
Pitot tubes
Combo

Algorithms/Programs

Matlab code for NI devices data acquisition
PTV - Particle Image Velocimetry (Matlab by Dan)
Simple Matlab fft routine (incl windowing)
NN - Neural Network for combo probe (Matlab routine)
PTM - Phase Time Method for waves breaking detection (Matlab)
Wave Gauges Calibration Procedure
Wind profile code procedure
Microsoft Word Tips

Inventory

Full Inventory
Lab purchasing table

Engineering Tasks

Engineering Tasks

Literature and Reviews

Dan's papers archive (Mendeley format)

T-SAIL Projects

Anabatic Flow: Lab

Acoustically Generated Jet

Sample Project: Copy Me

Test Page

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