# T-SAIL WiKi:

Start Page

## Gulf of Aqaba Marine Data

Marine Data 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
A/D modul MSR160
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
Deployment

## 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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