

SUBD-GS - MARK I - SLAC

✓ Shack / Mgmt AP - infra grade
DIST AP - mesh, TDMA

✓ GS - HW:

✓ SDR receive only, mortar LORA

CLORA RX/TX / ant

CGS - TDMA SC

Int. - TDMA mesh with dist AP balloon

ETHOZ // " dist AP

0.3 Infra AP

ETH1 - Uplink to FN IIEC backbone
Spectrum Analyzer

Antenna Testing Array:

✓ Antenna / Servo Shield

Setup / Gearbox / Aim

✓ Yagi - connects to wlan1

Misc

✓ Client system int. infra

✓ Mgmt Switch

08-22-2016

SUBO - Payload - SW - MARK / - SLICK

GPSD / NTP Station 6

BMC

Quering

MQTT

RTLSOR / GNSD.ad.0

LOSA bits

✓ Mgmt contents

file 39 - geotrace

ADSB aware / void

altitude adjustment

IMU bits

power mgmt

MQTT publisher

Aircraft ID squawk (ADSB?)

Network "

05-22-2016

SUBO -GS-SW-MARK1 -Slack

GPSD/NTP Station

BME6

09999

MQTT

RT SDR / Guisado

LORA bits

✓MQTT Contacts

scans

arduino

hamlib

~~fetch~~ rotctl

Spectrum analyzer -ubrt

" - hoist

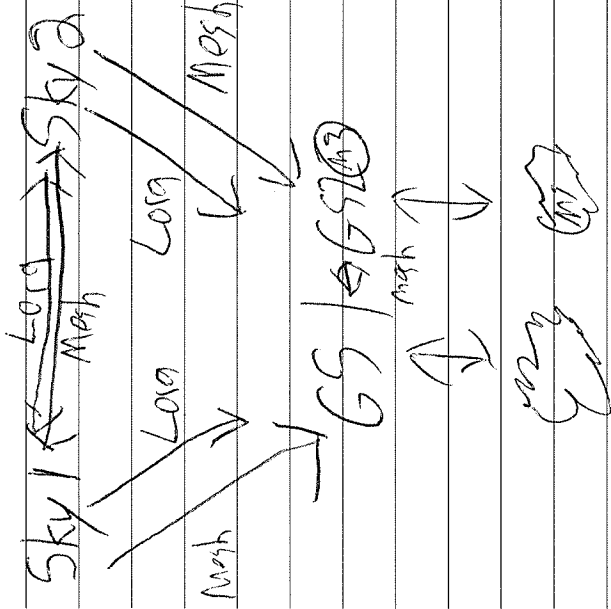
Kismet

Matt subscriber - one for many

Tracking Prediction

OWIPS / FW

MARK 2/3



MARK 15

sky 1

sky 2

P: Sense IMU

XTransc IMU

MARK 1

SI

← loss

XTransc
Att

→

←

XTransc

→

GS

→

←

XTransc

→

→

Q17 GPSL

haduana.org

Martano Space Grant

Nasa // consort.um

XBEE Pro - d.g. 150 a/b - 1W

Bowling Green Kitecky 2017 eclipse

Euler angles, quaternion

BOSCH Sensatach BNO055

Type 4 thermocouple - 330 f

One Wire temp - 00 f

MS5611-01 digital, i.c

10 to 1200 mbar NYTP

100k // mbar

North Texas Balkan Club

deftrace Pirego Audio indicator of

Plane High Altitude PARK status

Spacedata AL vs Google

Near Space Ventures

TruTrack

SPV1000 Soldr

Stratocaster ARBOLET

Scintillation Panels (partic)

dirty pcb.com

GPS piecap

Project Traveler

antenna

nearsys.org

Ophe

Near Space Explorer

nearsys.org

Columbia Scientific Balloon Facility

Blake Chiang

MPP Max Power Point Format

Youtube DVD
| stat

esetwiki.net

CAPSTONE

Coreptical Blog Diggian
Functional ')

CBD - SUBSIST

Power

Net Node

Tracker

Portos

Balloon

Paradise

Countdown

Airplane