

WeirWeather Group Meeting 22 Minutes

Date: 11:00, Friday 13/03/20 Room: RC473

Minute Taker: Alexander Ulrichsen

Attendance

Zack North, Callum Brooksby, Tesfu Gebremedhin, Alexander Ulrichsen, Mario Manca

Announcements

Weather Station must be in mountable condition by next Friday otherwise installation will not be possible due to 5G works being carried out.

Review Previous Meeting Minutes

The previous meeting's minutes were reviewed and accepted by the group.

Actions from Last Meeting

#	Action	Assigned To	Progress
1	Build Mechanical Structure	Callum	Complete
2	Main enclosure	Callum	Complete
3	Testing Anemometer	Tesfu	Complete
4	Testing Wind vane	Tesfu	Complete
6	PCB manufacture	Mario	Complete
7	Housing unit	Mario	Complete
8	Send data to server via GSM module	Zack	Complete
9	Combine Historical AWS and external API plots	Alexander	In progress
10	Set up server on home PC and configure for port forwarding	Alexander	Complete

Discussion

Talk to Malcolm about what to do with installation – problem with 5G comms work. Potential tripod setup in rotten row gardens.

New section to website with general information about AWS and picture, block diagrams.

Between current and historical sections.

Get rid of footer section links (summary, historical ...)

Wind gauge title to Wind Speed and Direction

Wind vane pcb works, just need to work on centring the magnet or implement software solution – software likely best option.

Battery voltage may be implemented into database

Fix Online status

Need to establish tradeshow arrangements and discuss with Graeme

Air sensors (Pressure, Temperature, Humidity), email on Monday to arrange calibration.

Actions

#	Action	Assigned To	Deadline
1	Mechanical Structure	Zack	18/3/20
2	Historical Chart Merge	Alexander	18/3/20
3	Fix Online Status	Alexander	16/3/20
4	Contact Calibration	Alexander	16/3/20
5	Linke a Domain Name to site	Alexander	20/3/20
6	Testing of web services	Alexander	20/3/20
7	Report Headings	Zack	16/3/20
8	Poster Template	Zack	16/3/20
9	Complete Enclosure	Zack	20/3/20
10	Finish Anemometer	Tesfu	18/3/20
11	Finish Wind Vane	Tesfu	18/3/20
12	Solder PCB	Tesfu	16/3/20
13	Solder PCB	Mario	16/3/20
14	Assemble Rain Gauge	Mario	16/3/20
15	Painting	Mario	20/3/20
16	Assembling Radiation Shield	Mario	16/3/20
17	Video	Callum	03/4/20