

To Dos

As sensors and DSMs need attention during the project, or other tasks are needed, they can be added to the "dynamic task list" below. Enter the task description in the text box, then click Add. Click the arrow next to a task to see and edit more details about it.

Tasks can also be inserted anywhere in the wiki and assigned to someone. When editing a blog or wiki page, click the *Insert* menu and select *Task List*. Then after typing the task description next to the checkbox, add the \@ symbol and select a user, including yourself. Then that task will show up in that person's task list. The task report below lists all incomplete tasks collected from the ISFS Perdigao wiki space, whether inserted in the dynamic task list on this page or any other pages in the space. So this is the place to manage tasks for the whole project, including those which have not already been assigned to someone.

You can assign tasks to yourself or other accounts, and you can give tasks higher or lower priority. You can view the tasks assigned just to you by clicking your profile account in the upper right and selecting Tasks. That page lists all your tasks across all wikis, not just the Perdigao wiki.

If tasks become complicated or start to involve important technical documentation, consider creating a wiki page or JIRA issue just for that problem.

<div></div>	
To Do List	
▼	<input type="checkbox"/> tse04: 60m TRH out, pio doesn't work
▼	<input type="checkbox"/> tnw09: Qsoil reads negative, but is okay? suggest reseating sensor cable (see https://wiki.ucar.edu/display/perdigao/2017/04/12/tnw09+Qsoil)
▼	<input type="checkbox"/> rne03: Main DC power cable is badly corroded at DSM (though still working apparently). Need to re-terminate this connector.
▼	<input type="checkbox"/> v06/v07: fix li7500s needed to be power cycled
▼	<input checked="" type="checkbox"/> tse05: reorient solar panel? (now pointing east) added second solar panel
▼	<input type="checkbox"/> shoot booms on towers built since mid April. (Waiting for Robert to bring their Multistation from DTU.)
▼	<input type="checkbox"/> take soil samples everywhere when wet; then when dry
▼	<input type="checkbox"/> clean all radiometers, though not urgent since we're having ongoing rain
▼	<input type="checkbox"/> rsw01: install ARL LiCor w/20m METEK when it arrives
▼	<input type="checkbox"/> rsw07: install ARL LiCor w/20m CSAT3A when it arrives
▼	<input checked="" type="checkbox"/> rne04: check tower tension; install the 1 sonic both done, then sonic blew fuses, someone fixed it and moved it to port 3, working now
▼	<input checked="" type="checkbox"/> rne07: 20m CSAT3A has been bad, working now seems to be working for a while now, forgettaboutit
▼	<input checked="" type="checkbox"/> tse06: 2m TRH on port 0 not working (https://wiki.ucar.edu/display/perdigao/2017/05/21/Sensor+issues+21+May+AM), replace 1A fuse fuse replaced by INEGI, TRH working
▼	<input checked="" type="checkbox"/> tse05: install reduced tower, since Samortecnica won't (need to design!)
▼	<input checked="" type="checkbox"/> tse07: 10m CSAT has been bad, working now; TP01 out (mote fuse had cold solder joint)
▼	<input checked="" type="checkbox"/> tse10: install ARL LiCor w/20m METEK when it arrives [DELETED: ONLY 2 AVAILABLE FROM ARL]
▼	<input checked="" type="checkbox"/> tnw07: 60m TRH out, no response to pio
▼	<input checked="" type="checkbox"/> rsw06: DSM not pinging, but wifi is: up since 2017-04-02
▼	<input checked="" type="checkbox"/> Change tnw05t IP address to 192.168.1.206 done
▼	<input checked="" type="checkbox"/> Add /etc/hosts to all DSMs installs when each dsm is updated
▼	<input checked="" type="checkbox"/> rsw03: 40m TRH dead, pio doesn't work
▼	<input checked="" type="checkbox"/> rsw07: not pinging at all up since 2017-03-30

▼	✓	v07: add anti-rotation plate to 2m sonic done; Replace 12V power supply with 14V done; Dead now, though has worked v07t and v07b up since 2017-03-23
▼	✓	rne01: DSM sometimes isn't pinging, but wifi is – reseal RJ45 cable? (did connect enough to scrub USB) up since 2017-03-30
▼	✓	Get remaining serial numbers (tnw07, rsw03, rne03)
▼	✓	tse02: install solar power system; ground EC100s done, site installed on 20170406
▼	✓	rne07: Check that NR01 and 20m EC150 ports are correct (I've tried swapping, but both are mostly dead) Dan swapped cables back to match config, both work now
▼	✓	v07: LICOR on v07t not reporting on port 3, even after 3A fuse replaced (see https://wiki.ucar.edu/display/perdigao/2017/04/11/v07+licor for a suggestion) fixed 20170412 by switching jumpers to RS232
▼	✓	tnw11: Replace 12V power supply with 14V done 2017-04-12, but tnw11.10m sonic still bad, see new todo
▼	✓	rsw02: Replace 12V power supply with 14V done 2017-04-14
▼	✓	rsw03: 20m Ifan=329!!, leaving off until repaired swapped 2017-04-14
▼	✓	v04: move soil sensors?/longer sensor cable; installed longer cable 4/14
▼	✓	rsw04: 20m licor: check that RTS/DTS is connected (appropriately); Rsw.in has Rsw.out motelD (replaced 2017-05-08); no wetness – wisard board missing?
▼	✓	tnw02: Mount RMY; switch usb1&2 cables.
▼	✓	tnw02: check tower tension; install sensors; rewire power for 12V (now 24V) NOTE EACH BATTERY'S TERMINALS! (remember screws)
▼	✓	tnw04: check tower tension; install sensors; rewire power for 12V (now 24V) NOTE EACH BATTERY'S TERMINALS!
▼	✓	tnw07: 10m TRH Ifan=0
▼	✓	tnw07b: switch 12m RMY to a port with a different UART
▼	✓	tnw05: Install 2m & 10 m trh, switch 12m RMY to a port with a different UART, change config so 2m and 12m sonics are swapped
▼	✓	tnw11.10m sonic still reporting all bad values (error flag 12) even after voltage bumped up to 13.7V
▼	✓	tse06: 2m, 10m, 20m, 60m TRH Ifan=0
▼	✓	tse07: 20m IRGA reporting bad pressure. Either config issue or bad connector. 10m CSAT upside down?? (junction box should be on top of boom)
▼	✓	tse09: 20m TRH ifan=0
▼	✓	tse11: 10m, 20m, 40m TRH Ifan=0; mote not reporting
▼	✓	tse13: 70m: reattach mote cable, then power up with pio; 2m, Ifan=0; 100m TRH Ifan=0
▼	✓	tse14: WON'T BE ERECTED waiting for tower to be erected; prepped and ready
▼	✓	tse15: waiting for tower to be erected; prepped and ready
▼	✓	rsw02: Offline though nanobeam is working, see Visit RSW02 and RSW05 and ISFS-149 rsw02 has been up 8 days as of 20170424
▼	✓	rsw02: 20m sonic dead, pio doesn't work (port 2 died in lightning, moved to port 3, also switched sonic anyway)
▼	✓	rsw03: 10m TRH not reporting, 40m TRH requires installation
▼	✓	rsw05: METEK on ttyS5 not reporting working now with port switched to 422 mode

▼	<input checked="" type="checkbox"/>	rsw06: Replace TRH.20m. Will not come back to life with PIO.
▼	<input checked="" type="checkbox"/>	rne01: kzrad on port 6 and csat3a irga on port 2 not reporting
▼	<input checked="" type="checkbox"/>	rne02: Replace 12V power supply with 14V.
▼	<input checked="" type="checkbox"/>	rne03: install ARL LiCor w/10m CSAT3A when it arrives [DELETED: ONLY 2 AVAILABLE FROM ARL]
▼	<input checked="" type="checkbox"/>	v07: 20m CSAT3A sonic on 4 now reporting mostly zeros with no message terminators (working at 00Z 12 Apr)
▼	<input checked="" type="checkbox"/>	v06: 20m sonic reporting intermittent nans
▼	<input checked="" type="checkbox"/>	rsw02: 20m RMYoung reporting bad diagnostic flags
▼	<input checked="" type="checkbox"/>	rne01: Rad Mote keeps resetting, replace mote
▼	<input checked="" type="checkbox"/>	v01: change EC150 from 10 to 20sps
▼	<input checked="" type="checkbox"/>	v07t won't power on (also needs ground?) Sort of fixed itself. Essentially just cycled power, though incrementally.
▼	<input checked="" type="checkbox"/>	check connection of Tsoil probe at tnw05. No problems with connectors. Assume we have a bad probe or PIC not sending Vref signal. (replaced 2017-05-05)
▼	<input checked="" type="checkbox"/>	tnw08: install power cable and power up/test

ISFS Perdigao Task Report

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> Replace the RMYoung at 20m.			Visit rsw02
<input type="checkbox"/> Install and verify instrumentation			v06 Staged
<input type="checkbox"/> Soil install			v06 Staged
<input type="checkbox"/> The soil bulgin cable barely reaches, so it might be a good idea to string some cord between tower and tree next to mote and hang the cable from that.			rne06
<input type="checkbox"/> Seems like we should report this problem to the person responsible for the ops center and see if they can get an electrician to investigate the problem. Maybe the main breaker needs to be replaced or upgraded.			Ops Center power instability
<input type="checkbox"/> Check tse13t power mote, and if necessary reconnect, and turn the port power back once connection is confirmed.			tse13t mote turned off
<input type="checkbox"/> run power and test sensors when drop is installed			v04 Install

☐ soil serial to dsm cable

v04
[Install](#)

☐ EC100 / CSAT 3A ground

v04
[Install](#)

☐ hose clamp grounding wire to tower

v05
[Install](#)
