# VOCALS Regional Experiment (REx) Operations Meetings/Flight Planning

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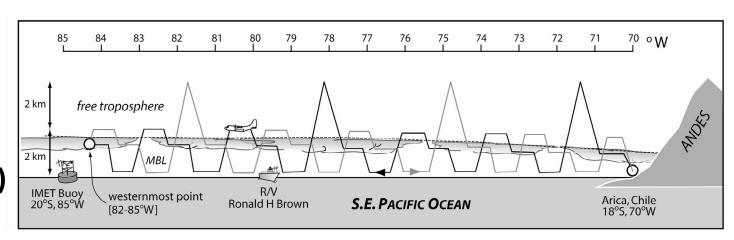




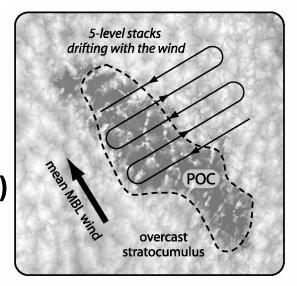


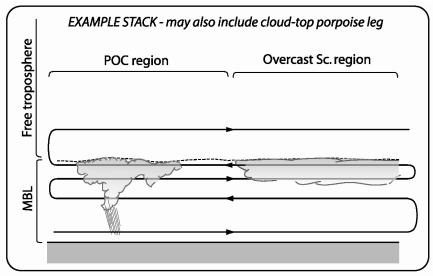
## The two mission paradigms

Cross Section (Night Only)



POC Drift (Day/Night)





### **REx Timeline**

#### Legend

T: Test Flight

D: C-130 day flight

N: C-130 night flight

Flights

Ship activities

Eddy Survey 1: westward from 75-85 W

IMET Buoy: stationary at 20 S, 85 W Eddy Survey 2: eastward from 85-75 W

X: day flight (G-1, 146, T-O) SHOA Buoy: stationary at 20 S, 75 W Platform unavailable

F: transit to/from Arica

In Port: Arica

Eddy Survey 3: stationary near 20 S, 75-80 W

#### PHASE 1

C-130 Status

Date Oct	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3
RHB Status	Eddy Survey 1				IMET Buoy						Eddy Survey 2			SHOA Buoy						F
C-130 Status	Т	Т	Т		D		D		D	-	_	N		N		N		N	_	D
G-1 Status	Т	Т	Т	Х		Х		Х				D		Х		Х		Х		Х
146 Status												N		N	N		D	D		D
T-O Status																				

#### PHASE 2

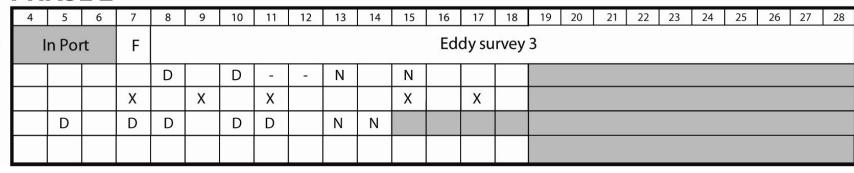
Date Oct **RHB Status** 

C-130 Status

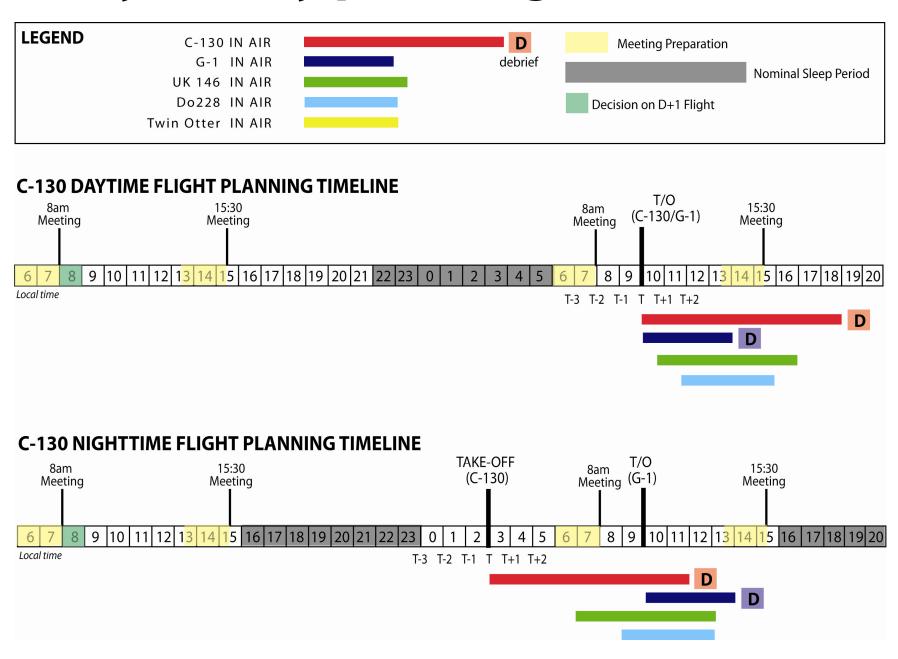
G-1 Status

146 Status

T-O Status



## Day-to-day planning strawman



## **Decision making process**

- 08:00 General Meeting agenda items:
  - Final go/no go for today's day flights
  - Three day outlook (change D→N? Lagrangian?)
  - Discussion of D+1 flights
- 08:00-15:30 **Planning period**:
  - Caucus of representatives (max 2) from each platform assess available data/PI interests and plan accordingly
- 15:30 **Meeting/Briefing**:
  - Final announcement of decision on D+1 flight

## Why 08:00 and 15:30?

 Meeting times should remain constant throughout both day and night operations