

**1997 CEDAR Workshop**  
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**Panel Discussion of Vertical Winds**

by Gonzalo Hernandez  
University of Washington

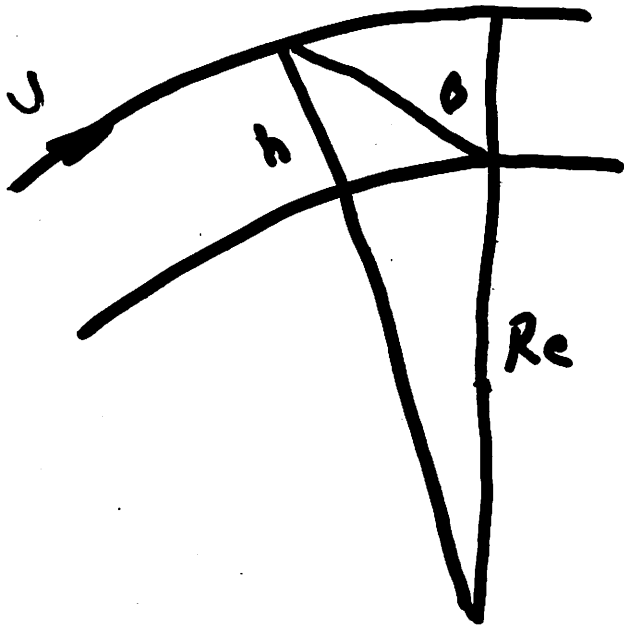
# VERTICAL WINDS

STABILITY INH  $\approx 10.5 \text{ m/s}$

'SINGLE WAVELENGTH' LASERS  $\approx \pm 4 \text{ m/s}$

RELATIVE TO LASER +

LONG TERM  $\approx \pm 5 \text{ m/s}$



$\beta^\circ$	$U$ (m/s)	<sup>w</sup> APPARENT	
1	100	200	
2	2	4	
3	4	8	
	5	10	

PROPAGATION  
TIME

$$T = H/w = \frac{50 \times 10^3}{10} = 5000s$$

