The new Bunkers "Universal Mean Wind" option.

RAOB contains 2 Storm Motion options: the Traditional and Bunkers methods. The Bunkers method initially allowed the user to only specify the upper and lower boundaries of the Steering flow layer within a specific range (see below).

RAOB Program Configuration Options								
Display Preferences	Algorithm Options	Parcel Lifting & CAPE	System Configuration	Dates & Fonts	Data Processing			
Turbulence (CAT) FAA USAF	Icing (structural) O AFGWC O Smith-Feddes O USAF	Cloud Analyse	s RICAPS O Trac : 75 % RH (Ran	ditional (T/Td) 🔲 (ge: 1 - 99 %)	CFRL (if available)			
Storm Motion Method use Universal Mean Wind O Traditional Method Steering flow layer - upper: Bunkers Method Steering flow layer - lower:								

With the RAOB 6.5 program, there is now an option to automatically calculate the Universal Mean Wind by using variable range parameters (see below).

RAOB Program Configuration Options								
Display Preferences	Algorithm Options	Parcel Lifting & CAPE	System Configuration	Dates & Fonts	Data Processing			
Turbulence (CAT) FAA USAF	Icing (structural) OAFGWC OSmith-Feddes OUSAF	Cloud Analyses (Icing threshold	■ RICAPS O Trac	fitional (T/Td) 🔲 (CFRL (if available)			
Storm Motion Method Image: store with the store withe store with the store with the store with								

By checking the "Universal Mean Wind" option, RAOB will automatically find the steering flow layer using variable upper and lower search parameters. The upper level is normally 65% of the MUEL (Most Unstable CAPE's Equilibrium Level hgt), where the percentage value is user configurable. The lower level is determined by finding the effective inflow layer, which is the first level where CAPE >= 100 J/kg and CIN <= 250 J/kg. This search layer is normally the lowest 350 mb, which is also user configurable via the "Parcel Lifting & CAPE" tab as seen below.

RAOB Program Configuration Options								
Display Preferences	Algorithm Options	Parcel Lifting & CAPE	System Configuration	Dates & Fonts	Data Processing			
Lifted Parcel Lee O Surface * . Most Unsta O Mean Layer Multi-Lift O	vel for SBCAPE ble for MUCAPE r for MLCAPE ptions Video	Parcel Lifting MUCAPE Search Mean Lower Laye This layer is also use	h Layer: 350 mb er: 100 mb ed to calculate the CCL.					