

Humacao Task Implementation Document

Installation Summary

January 27-31

Final Results Included

Task Schedule

Monday	• Flying to Puerto Rico Arriving Humacao 6:00pm 
Tuesday 	<ul style="list-style-type: none">• <u>Installation</u> of new system - 8:00-9:30 am (inspection of antenna)<ul style="list-style-type: none">• <u>Installation</u> of PC and Cables • <u>Initial Alignment</u> • Center of Box - 10:15 am • <u>POST Adjustment</u> • Peak and <u>Record every hour</u> peaking coordinates • Center of Box - 10:15 am  • Upper end of Box - 4:15 pm  • Lower end of Box - 4:15 am (Wednesday) 
Wednesday 	<ul style="list-style-type: none">• Slope Analysis Azimuth and Elevation • Editing Az and EL Slopes • Center of Box - 10:15 am • Data Collection Testing Starts • Seminar PM - Data Analysis Training PM - New Handbook 

Task Schedule

<p>Thursday</p> 	<ul style="list-style-type: none">• 24 Hr data collection verification of system performance • Center of Box -10:15 am (adjustments)• Data Collection Starts• Seminar PM -Tracking file download and system checkout procedure PM 
<p>Friday</p>	<ul style="list-style-type: none">• Flying back to Cleveland 

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Step 1.0

Implementation of system



Step 1.1

Basic Antenna Alignment



Step 1.2

Basic Antenna Alignment



Step 2

Alignment and Calibration



Step 3

Peaking and Linkage



Implementation Procedure

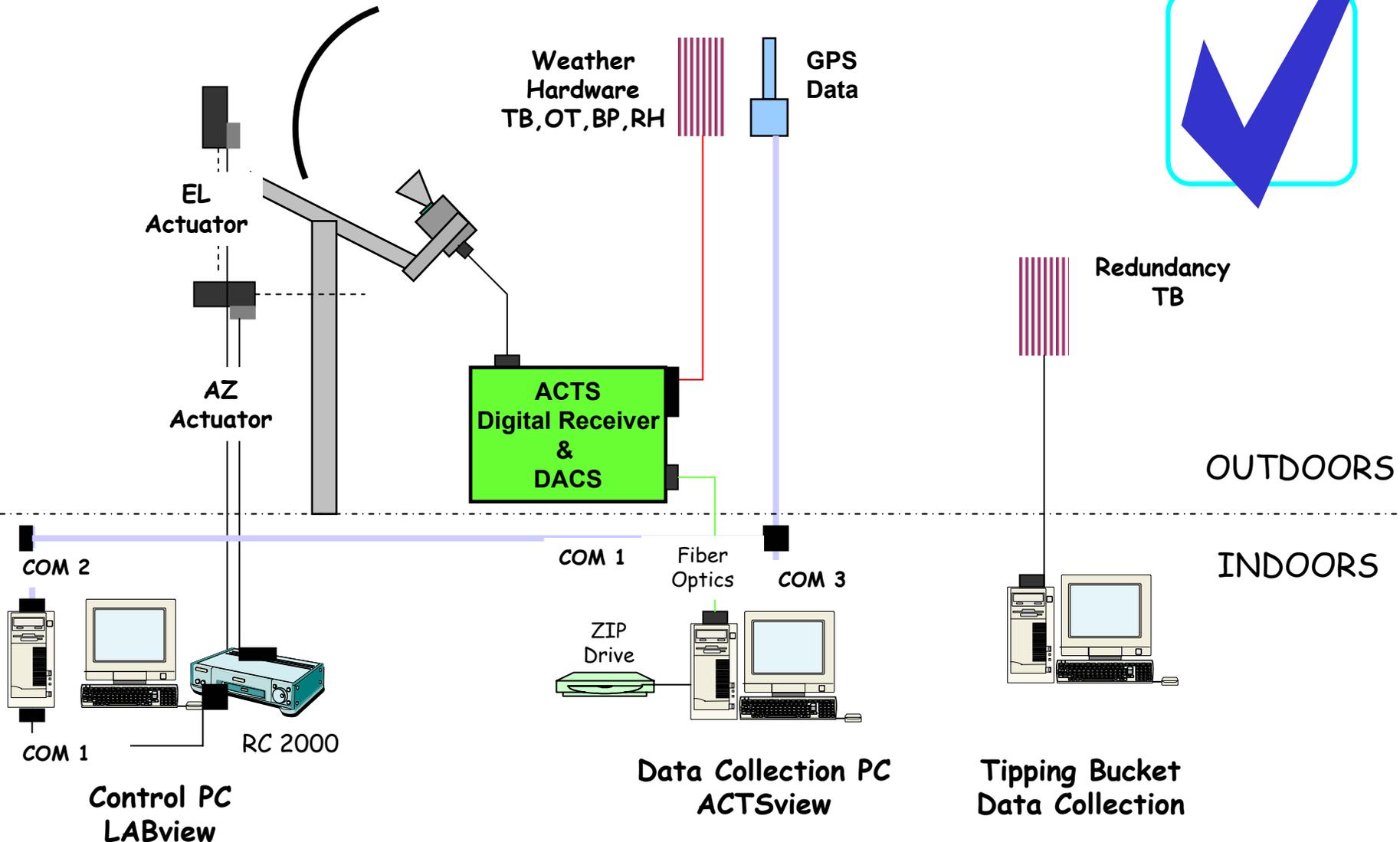


Step 1.0

Implementation of system

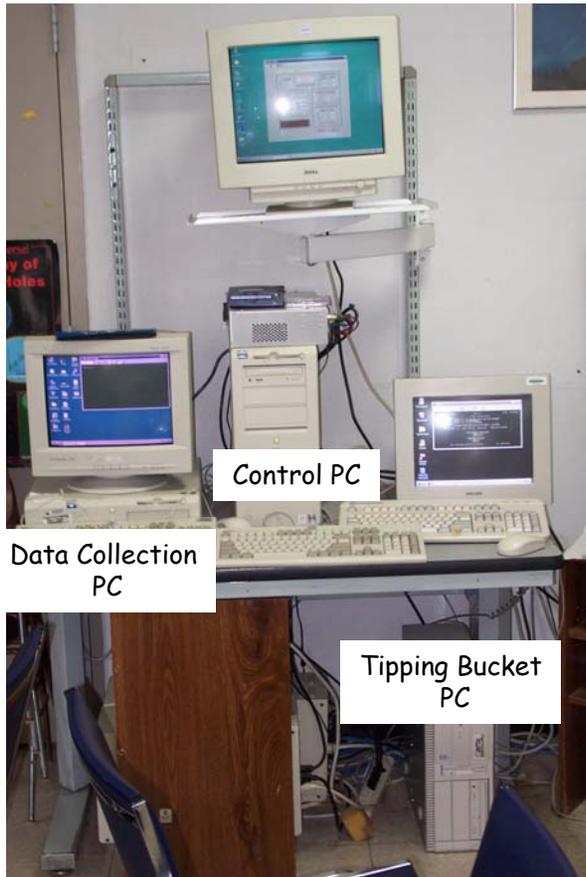
Humacao Propagation System

Final GEO Ground Station Configuration

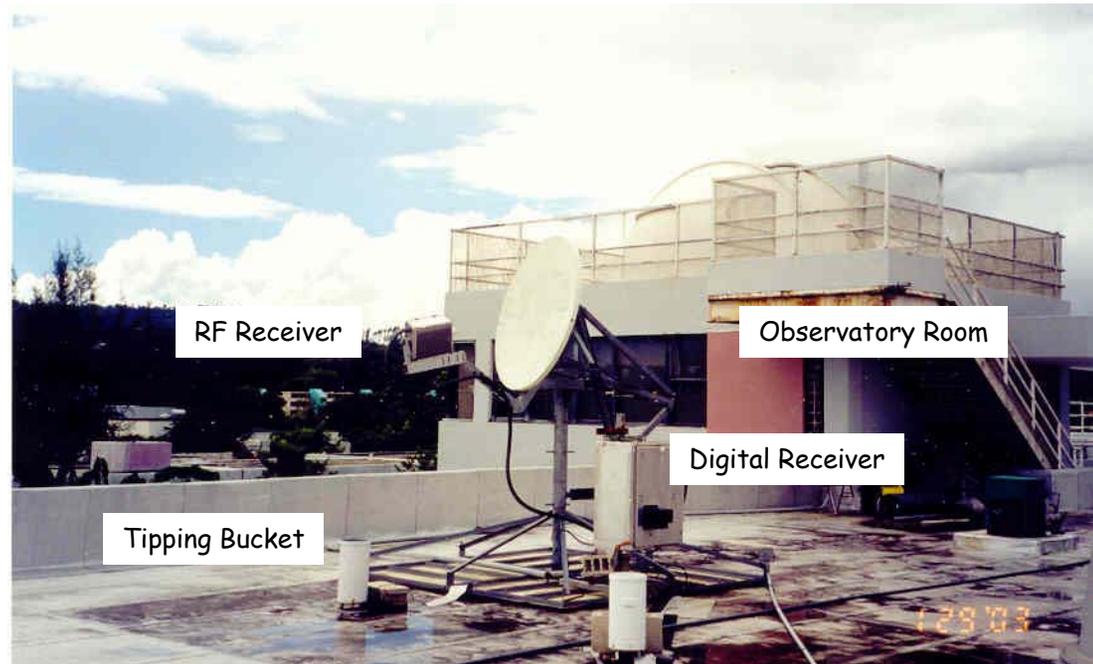


Humacao Propagation System

Final GEO Ground Station Configuration



In-Door Hardware



Out-Door Hardware