

# CODAR SeaSonde® Basic Training Event - Summer 2023 25-28 July 2023

CODAR HQ 1914 Plymouth Street, Mountain View, California 94043 USA

## Tentative Agenda



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**Tuesday 25 July 2023**

**9:30 am – 4:30 pm**

### **Day 1: Overview - Technology, Software, Hardware**

Course Overview  
CODAR HQ Tour  
HF Radar & CODAR SeaSonde Overview  
SeaSonde Principles of Operation  
SeaSonde Site Selection

### **Lunch (hosted by CODAR)**

SeaSonde Hardware Overview - Receiver, Transmitter & Antenna  
SeaSonde Software Overview including - new changes, new features in latest Radial Suite Release - R22  
Data Processing Flow review/ overview of different data files generated at radar site - R22  
Setup and Startup/configuration of ~13MHz or ~25MHz system  
Data Processing - spectra and radials processing - R22

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**Wednesday 26 July 2023**

**9:30 am – 4:30 pm**

### **Day 2: Software and data processing/analysis**

Any questions from previous day  
Setup and Startup/configuration of Long Range System (~5 MHz)  
Antenna Pattern Measurements & Processing including demo & hands-on exercise

### **Lunch (hosted by CODAR)**

AutoAPM Software - AISPattern Suite Release 22 - overview, demo and use case  
Waves Software & Data Overview, R22 features  
Data Discussion: spectra and radials, waves processing  
Using inbuilt tools for 1D "radial" vector data analysis/visualization & routine monitoring, R22 hands-on exercises

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**Thursday 27 July 2023**

**9:30 am – 4:30 pm**

### **Day 3: Combine Software, Basic Troubleshooting & Best Practices**

Using SeaSonde Diagnostics for troubleshooting and routine monitoring  
How to use Transponder for antenna tests and transponder/receiver bench tests, hands-on exercise  
Radial Webserver overview for routine site monitoring  
Central Management – Data Combining Station (aka Central Site) & Combine Suite Software Overview (including overall network monitoring tool)

### **Lunch (hosted by CODAR)**

Data Archival Best Practices/Recommendations  
Processing and Reprocessing 2D "total" vectors, hands-on exercises  
Using inbuilt tools for Combine Data Analysis/visualization and routine monitoring  
Best Practices for Site Preparation/infrastructure/install  
Best Practices for Routine Site Maintenance  
Q & A session - wrap-up

***End of Official Training Course***

### **Dinner (hosted by CODAR)**

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**Friday 28 July 2023 10:00 am – 1:00 pm**

**Optional Open House Day at CODAR HQ or nearby SeaSonde Site Visit at Coast**