



# The High Desert Amateur Radio Club's

## WINTER FIELD DAY

**JANUARY 24-25, 2025**

*Saturday 1600 UTC - 2159 UTC Sunday*

*9:00 AM MST - 2:59 PM MST*

*30 hour operational period*

*Because operational skills should not  
be limited to fair weather scenarios.*

**Web Site:** <https://www.winterfieldday.com>

*Remember to Take Pictures.*



# WFD Operating Sites:

**Venus Park in Edgewood:**  
[www.edgewood-nm.gov](http://www.edgewood-nm.gov)

**Open Space Visitor Center**  
[www.cabq.gov/parksandrecreation/open-space/open-space-visitor-center](http://www.cabq.gov/parksandrecreation/open-space/open-space-visitor-center)

**Petroglyphs National Monument**  
*Off Atrisco Vista Blvd, by the Double Eagle airport*



**Venus Park, Edgewood**



**KC2LM Mobile at the Petroglyphs**  
*Operating with CW, Digital, & Phone?*



**Open Space Visitor Center**

*This location will be operating with multiple stations on multiple bands and use multiple operating modes.*

# W.F.D. with the High Desert Amateur Radio Club

- Participation Allows for Greater Opportunity for Contacts within new modes. It can be a measure of your contact capability.
- Operate from **Home** *possibly on Emergency Power*
- Operate **Outdoors** from the **Parks, RV, Public** sites or **Outback** sites , Testing Portable Capabilities. *Do so with others for Safety & Training*
- Conduct EmComm Messaging, Specifically with Winlink
- Send / Receive Packet Winlink Message(s) to BCARES members
  - KC5QOC, KC5UKE, KC2LM, *via RMS Gateways*

**Packet Winlink RMS Gateways:** KC5QOC-10 on 145.01. & KC5UKE on 145.07 MHz

# OPERATING BANDS, MODES & FREQUENCIES

*Operating on Multiple Bands & Modes Demonstrates Flexibility*

- **Bands:** HF, VHF & UHF (*except 12, 17, 30 and 60 meters*) ***NO REPEATERS***
- **Modes:** (NOT FT8, FT4) CW, SSB, FM, SSTV, JS8, RTTY, PSK, MFSK-16/32, Olivia, *Satellite*.
- **Frequencies:** *so that other WFD participating stations can find you, use:*
  - **HF CW** – 3.530-3.550, 7.030-7.050, **14.035-14.055, 21.030-21.050**, 28.030- 28.040
  - **HF SSB** – lowest 30 kHz of the US General Class Phone bands (80m-15m), 28.400- 28.425MHz (10m), 6m, **VHF/UHF Simplex**, (*NOT on National Calling Frequency*)
  - **Popular Digital Mode Frequencies:** **JS8 14.078, RTTY 14.085 - 14.100 USB**, SSTV 14.230, MFSK-16/32 14.076 USB, **PSK-31 14.070 USB**, Olivia 14.071.

***Modes Most Likely to Generate a Digital Contact.***

*Access RTTY & PSK modes using FLDIGI Software. JS8 is a separate application*

# THE EXCHANGE

- Your Call Sign, Class, Category, ARRL Section (NM)
- **Class:** the number of stations in your entry. *Stations should operate independently using their own Call Sign.*
- **Category:** (I) Indoor, remote, heated, wx protected, *(cabin, community center...)*
- **Category:** (H) Home, permanent antenna installation, may claim emergency power credit
- **Category:** (O) Outdoor, campground, park, picnic table, non-insulated RV
- **Category:** (M) Mobile / Stationary operations from a mobile or potentially mobile structure like an insulated RV, car, or van
- **Sample Exchange:** Operating One Transmitter, Outside, from NM  
(CW) KC2LM 10 NM. (SSB) “KC2LM One Oscar New Mexico”

CQ WFD

# W.F.D. SCORING & OBJECTIVES

*When you submit your log, you will be asked to select your completed objectives. These will be displayed separately in the WFD Results.*

- **QSO Points:** 1 pt for phone, 2 pts for each CW & Digital Contact
- **Band & Mode:** Count 1 Multiplier for each Mode (*Phone, CW, Digital*) , Operated per Band
- **Power Multiplier:** QRP stations are defined by transmitting less than 5 watts on CW or 10 watts on phone and will get a multiplier of 2. All other stations have a multiplier of 1. *The maximum permitted power is 100 watts*
  - +1 **No Commercial Power**
  - +3 **Operating Away From Home**
  - +1 for each **Operate Different Bands**
  - +3 *Contact through CW & SSB Satellite*
  - +1 **Send/Rec. One Packet Winlink Msg.**
  - +2 **Operate 6 Continuous Hours**
  - +1 **Copy WFD Bulletin**
  - +2 **Operate Multiple Modes**

# **SAMPLE MESSAGES - ONLY ONE IS REQUIRED**

*(all via Packet Winlink RMS using Text or ICS-213)*

**Message:**

**To:** KC2LM, KC5UKE, or KC5QOC

**Subject:** Message for Winter Field Day

**Message:** *Mary had a little lamb that's fleece was white as snow, which made it hard to find her in a blizzard.*

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**Message to BCARES Member(s)**

**To:** KC2LM, KC5UKE, or KC5QOC

**Subject:** Winter Field Day Operation

**Message:** *N5ATR is with KI5NBN demonstrating ham radio at Venus Park in Edgewood is celebrating Winter Field Day with portable equipment and emergency power from Venus Park in Edgewood.*

**Packet Winlink RMS:** KC5QOC-10 on 145.01. & KC5UKE on 145.07 MHz

## GENERAL MESSAGE (ICS 213)

|   |                               |                           |
|---|-------------------------------|---------------------------|
| 1. Incident Name (Optional): <b>Winter Field Day</b>  |                               |                           |
| 2. To (Name and Position): <b>KC2LM</b>   |                               |                           |
| 3. From (Name and Position): <b>Rob Summerhill, KI5NBN, Event Coordinator</b>   |                               |                           |
| 4. Subject: <b>Winter Field Day Operation</b>   | 5. Date: <b>Jan. 25, 2025</b> | 6. Time: <b>21:05 UTC</b> |
| 7. Message:<br><i>KI5NBN will be demonstrating ham radio at Venus Park in Edgewood. We are celebrating Winter Field Day with portable equipment and are on emergency power from Venus Park in Edgewood.</i> |                               |                           |
| 8. Approved by: Name: <u><b>Rob</b></u> Signature: <u><b>Rob KI5NBN</b></u> Position/Title: <u><b>Event Coordinator</b></u>   |                               |                           |



# **SUBMISSIONS - NO PAPER LOG SUBMISSIONS!**

**Log submission DEADLINE** and contents:

mailto: [www.winterfieldday.org](mailto:www.winterfieldday.org) via email before 0000 UTC March 1st

Logs MUST be submitted as an **attached Cabrillo File, NOT as an email body.**

**ALL logs must be in WFD Cabrillo format** OR as an AIDF file and should contain :

\* Frequency \* Mode \* Date Time (*UTC*) \* QSO Data (*Call worked, Category, Class, Section*)

\* *The frequency for HF must be in Kilohertz rounded to the nearest kilohertz, no decimal, 3750 is fine, 3750.134 is not.*

\* **Consider using N3FJP software for logging**, as it simplifies Cabrillo File creation and Score submission. Submit your entry at: [www.winterfieldday.org](http://www.winterfieldday.org)

\* *Remember to credit your score to:*

\* **“NM HDARC”** for those Operating **with** the High Desert Club

## Additional Notes:

1. Those working WFD outdoors from Parks and Open Space should seriously consider working in small groups for safety and to allow for the training of new hams.
2. Complete details about the event can be found on the WFD web site:  
**[www.winterfieldday.com](http://www.winterfieldday.com)**
3. All stations are limited to a Maximum of 100 watts.
4. Multipliers are listed as *Objectives* and are recorded separately.
5. To Calculate Score: Each mode worked on each band counts as 1 multiplier. If you worked both CW and Phone on 20 & 40 meters, your total multiplier would be 4. If you operated CW and Phone on 80, 40, 15, and 10 meters, CW and PSK31 on 20m, FM on 2 meters & 440 Simplex you would have a total multiplier of 12x.

**Score** is based on the total number of QSO points x Power Output, & Objectives satisfied.

# *Working Ham Radio Satellites*

**Saturday, January 11th**

Bear Canyon Center

4645 Pitt, NE

Albuquerque, NM 87111

10AM until 1PM

**\* Bring Your Android Phone**

# *Things You'll Be Able to Do*

Decode SSTV Images from the ISS & SONATE-2

Make FM Voice contacts through the ISS & SO-50 Repeaters

Find Out When the Satellites are Overhead

Send APRS Messages using the ISS & SONATE-2 Digipeaters

Make Your Own Antenna for Working the Ham Radio Satellites

Make Satellite Contacts with the Equipment You May Already Own

TX Text/Data  
Text: Name Ed, QTH, NM

TX APRS Position  
Text: DM65pb Ed

TX APRS Message  
For: W0JW-6 Message: Ed IN NM

Monitor  
Scroll Log ON No Filter Beacon OFF

```

Fm KC2LM-4 To KF5RRW Via ARISS <UI pid=F0 Len=24 >[23:13:23]
:KB9VIC :Hello George!

Fm W9QO To STPX1U Via RS0ISS*,SGATE,WIDE2-2 <UI pid=F0 Len=11 >[23:13:33]
'oIP1 -/]

Fm WA0D-3 To CQ Via RS0ISS* <UI pid=F0 Len=62 >[23:13:43]
!3256.76NI09709.10W# Hello & happyWednesday from WA0D... 73's

Fm WA0D-3 To CQ Via RS0ISS* <UI pid=F0 Len=53 >[23:13:44]
!3256.76NI09709.10W# Welcome aboard ISS... 73's WA0D

Fm W0JW-6 To CQ Via RS0ISS* <UI pid=F0 Len=29 >[23:13:49]
:KC2LM-4 :UR 599 EN31BE IOWA

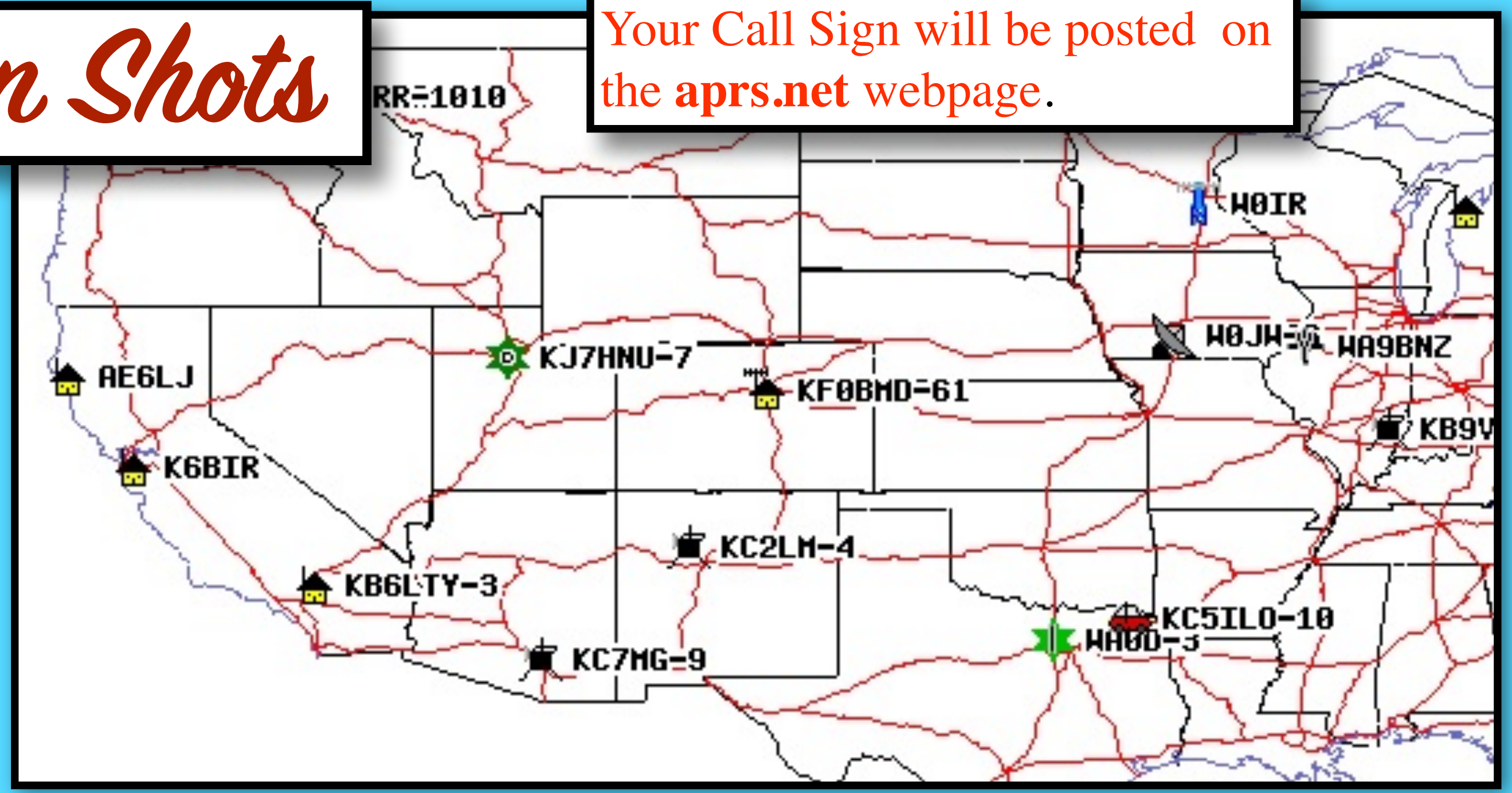
Fm KC2LM-4 To KF5RRW Via ARISS <UI pid=F0 Len=19 >[23:14:08]
:W0JW-6 :Ed IN NM

Fm WA0D-3 To CQ Via RS0ISS* <UI pid=F0 Len=62 >[23:14:13]
!3256.76NI09709.10W# Hello & happyWednesday from WA0D... 73's

```

# Screen Shots

Your Call Sign will be posted on the [aprs.net](http://aprs.net) webpage.







## Screen Shots

## APRS Messages

```
Fm W0JW-6 To CQ Via RS0ISS* <UI pid=F0 Len=33 >[23:14:23]
:KC2LM-4 :CONFIRM QSO 73 de W0JW
```

```
Fm W0JW-6 To CQ Via RS0ISS* <UI pid=F0 Len=29 >[23:15:40]
:KC2LM-4 :QSL and 73 via ISS
```

|   |        |          |            |             |
|---|--------|----------|------------|-------------|
|  <a href="#">WA0D-3</a>    | *<br>_ | 32.946   | -97.15167  | 00:08:44:01 |
|  <a href="#">W0JW-6</a>    | *<br>_ | 41.21056 | -93.83722  | 00:08:44:06 |
|  <a href="#">KC2LM-4</a>   | *<br>_ | 35.47417 | -107.03833 | 00:08:44:08 |
|  <a href="#">KC5ILO-10</a> | *<br>_ | 3        |            | 00:08:44:47 |

Your Call Sign will be listed on the [aprs.net](http://aprs.net) webpage.

# SSTV Experiment Upcoming

Expedition 72 - ARISS Series 23 SSTV Experiment  
Runs December 25, 2024 to January 5, 2025

## Experiment Notes:

- On the ISS: Service Module Radio  
Call Sign: RSØISS
- Frequency: 145.800 MHz
- Mode: PD120
- Theme: Celebrating ARISS 2024  
Start time tentatively 14:55 UTC | 9:55 AM ET  
End time tentatively 14:20 UTC | 9:20 AM ET
- Images in series: 12
- Image Gallery / Awards

Send your decoded images to ARISS in the  
"Series 23 Holidays 2025" area and  
apply for an award at:

[https://ariss-usa.org/ARISS\\_SSTV/](https://ariss-usa.org/ARISS_SSTV/)

Watch ARISS Social Media

(@ariss\_intl) for official updates.



[issfanclub.eu](http://issfanclub.eu)

# Announcement:

## ISS Transmitting

## SSTV Images

Mode: PD120

**Dec. 25 - Jan. 5, 2025**

145.8 MHz

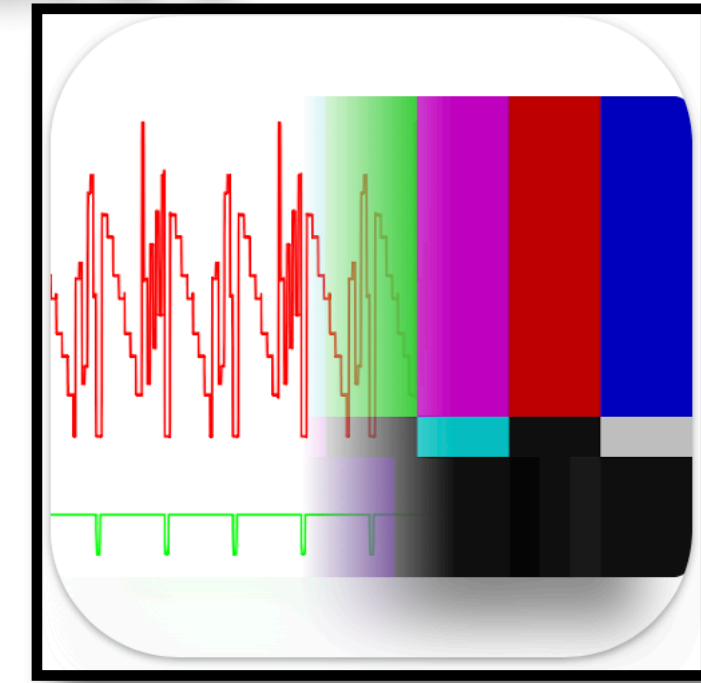
*12 Images*

---

*Apply for an Award*

[http://ariss-usa.org/ARISS\\_SSTV/](http://ariss-usa.org/ARISS_SSTV/)

# Decode SSTV Images on Your Android Phone:



1. Download and Install **Robot36**

2. Open: **Robot36**

3. Header: **Robot 36 Color** -

*Click on the three line  
Pull Down Menu*



4. Select: **Lock Mode**

5. Select: PD - Select: **PD 120**

6. Place Your Phone **Near** the Radio on 145.8 MHz.  
The Image will appear as the audio tones are received.





# When Will the ISS Be Overhead?

Step #1: [AMSAT.org](https://amsat.org)

Satellite Info / Past Prediction

Step #2:

Show Predictions for: **ISS** for Next 10 Passes

Calculate Latitude and Longitude from Gridsquare: DM65 Calculate Position

Or

Enter Decimal Latitude: 35.5 North

Enter Decimal Longitude: 107 West

Elevation in meters AMSL:

Click on **Predict**

Step #3:

| AMSAT Online Satellite Pass Predictions - ISS    |           |          |             |                   |                |             |           |
|--|-----------|----------|-------------|-------------------|----------------|-------------|-----------|
| <a href="#">View the current location of ISS</a> |           |          |             |                   |                |             |           |
| Date (UTC)                                       | AOS (UTC) | Duration | AOS Azimuth | Maximum Elevation | Max El Azimuth | LOS Azimuth | LOS (UTC) |
| 21 Dec 24  | 08:58:40  | 00:07:54 | 173         | 8                 | 132            | 77          | 09:06:34  |
| 21 Dec 24  | 10:33:26  | 00:10:46 | 230         | 78                | 319            | 47          | 10:44:12  |
| 21 Dec 24  | 12:11:26  | 00:09:06 | 278         | 12                | 338            | 33          | 12:20:32  |
| 21 Dec 24  | 13:50:40  | 00:06:44 | 317         | 5                 | 358            | 35          | 13:57:24  |
| 21 Dec 24  | 15:28:14  | 00:08:15 | 329         | 7                 | 10             | 67          | 15:36:29  |
| 21 Dec 24  | 17:04:32  | 00:10:33 | 319         | 30                | 52             | 112         | 17:15:05  |
| 21 Dec 24  | 18:41:21  | 00:10:01 | 298         | 21                | 240            | 163         | 18:51:22  |
| 22 Dec 24  | 08:11:19  | 00:04:40 | 149         | 2                 | 137            | 96          | 08:15:59  |
| 22 Dec 24  | 09:44:24  | 00:10:36 | 216         | 50                | 121            | 53          | 09:55:00  |
| 22 Dec 24  | 11:21:43  | 00:09:47 | 265         | 17                | 325            | 36          | 11:31:30  |