V77_DARIO Channel Tagging - Test Run Report

MODEL ARCHITECTURE:
• Input shape: (208, 1242, 1) - Single plane X
• Convolutional layers: Conv2D 16→16→8→5→4 filters with LeakyReLU
• Pooling: MaxPooling2D (2,2) after each conv block
• Flatten size: 3300 (11×75×4)
• Dense layers: 32→16→10→8→1
• Total parameters: 110,616 (432 KB)
• Output: Sigmoid activation for binary classification

TRAINING CONFIGURATION:
• Dataset: 100 samples total (50 ES + 50 CC)
• Data split: 70% train (140), 15% val (30), 15% test (30)
• Batch size: 16 | Epochs: 5 | Learning rate: 0.001
• Optimizer: Adam with ReduceLROnPlateau
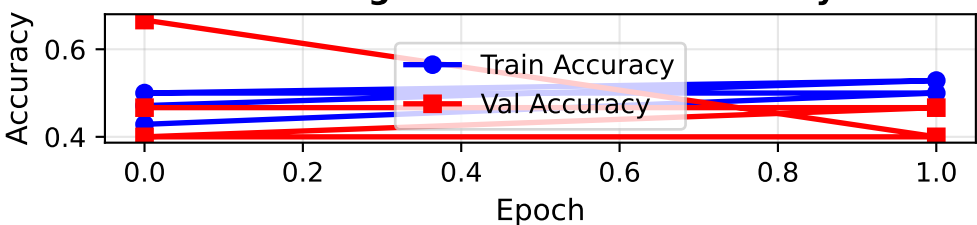• Batch reload: Every 2 epochs (memory efficiency)

FINAL RESULTS (Test Set):
• Accuracy: 0.4000
• Loss: 0.6930
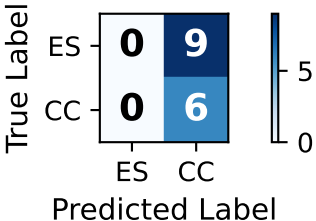• ES precision: 0.0000

Training and Validation Loss
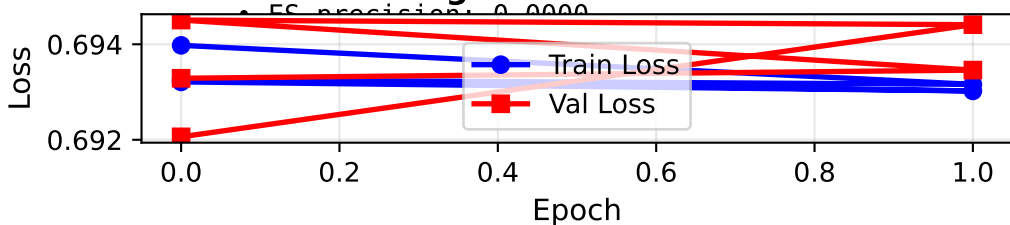
Training and Validation Accuracy

Confusion Matrix

Prediction Distribution