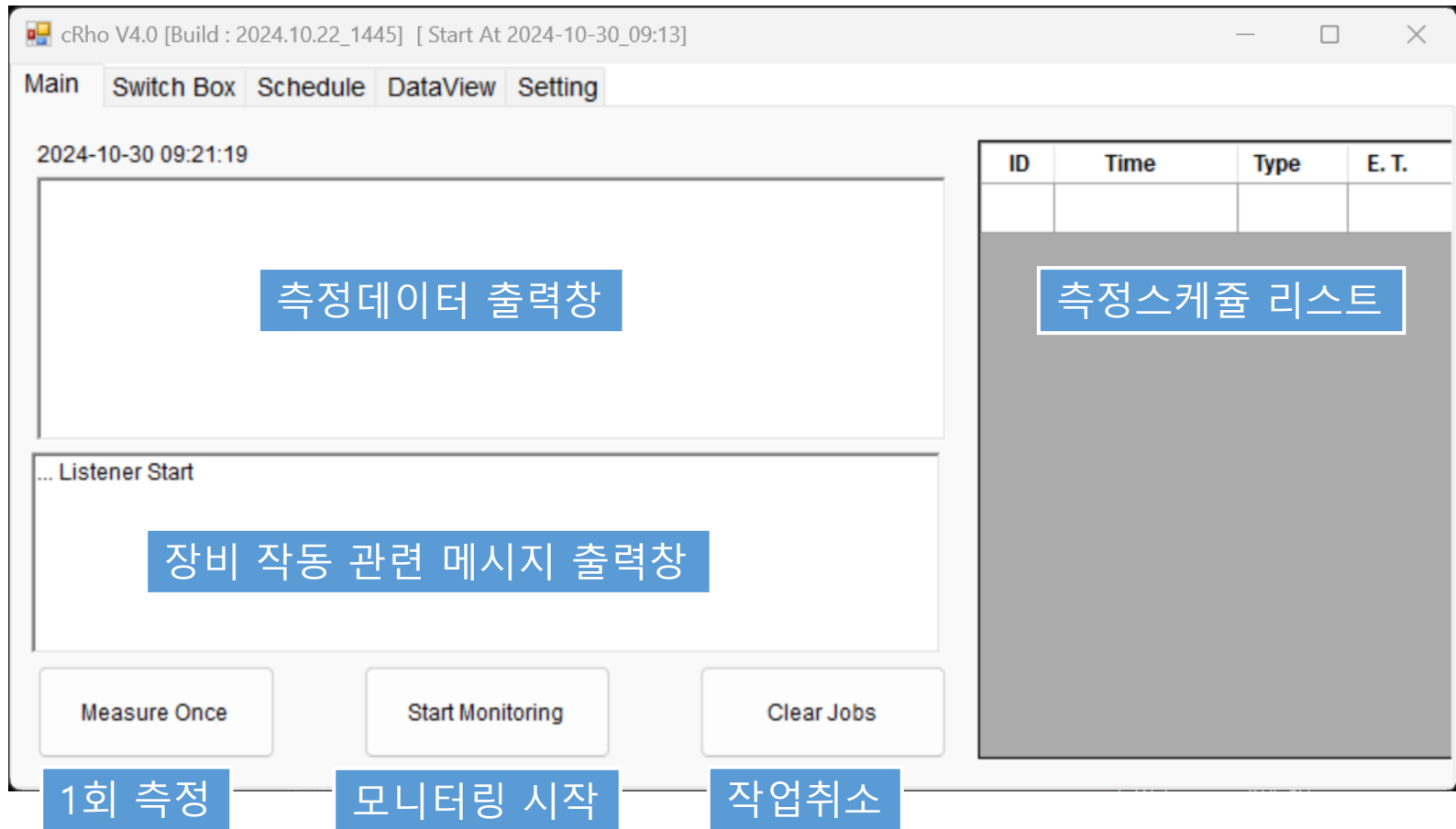


# Electrical Resistivity Monitoring System

- Software
- Accuracy Verification : with IRIS SYSCAL-Pro

# 메인화면



# 스위치박스 설정

cRho V4.0 [Build : 2024.10.22\_1445] [ Start At 2024-10-30\_09:13]

Main Switch Box Schedule DataView Setting

Number of Switch Box 2 + - 2024-10-30 09:23:01

SB#	noR	R1	R2	R3	R4	E1	E2	flip	E3	E4	flip	X0	Y0	Az
0	48	1	24	25	48	1	24	1	25	48	1	0	0	0
1	48	49	72	73	96	49	72	1	73	96	1	0	0	0

릴레이번호 설정

전극번호설정

Unuse Use -5 -1 +1 +5 Test Electrodes TestADC

접지저항 테스트

탐사기 테스트

# 측정 스케줄 설정

cRho V4.0 [Build : 2024.10.22\_1445] [ Start At 2024-10-30\_11:33]

Main Switch Box Schedule **DataView** Setting

**측정모드** 11:34:58 **스케줄 설정**

☒ DC  
☐ DC+IP

M	D	Start	D	M	Interval	M	D	End	M	D	Time
		2024-10-30 11:40			05 M			2024-10-31 11:40			402

El spacing 10.0 m Cycle Len 3.6 sec Max V 300 V

Max N 10 Stack 1 Max I 1000 mA

Array Dipole Dipole Error 5 % IP mode ColeCole

El\_start 1 El\_end 96 El\_inc 1

incVal 1 -5 -1 +1 +5 AD ch 10

측정  
파라미터  
설정

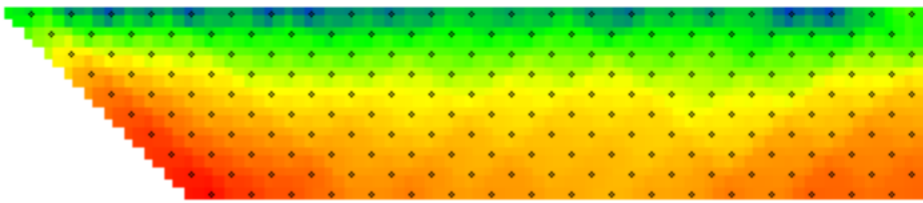
# 측정 스케줄 설정

cRho V4.0 [Build : 2024.10.22\_1445] [ Start At 2024-10-30\_09:13]

Main Switch Box Schedule **DataView** Setting

**측정모드**

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Time : DC2024-10-21-11-22 Data Dir : cRho4\\local\\DataDC\  
Dipole Dipole EL # : 1 ~ 37 Spacing=5 N=10 cycleLen=3.6 Stack=1

Select System **local**

☒ DC ☐ DCIP

- + ReCal App Inversion

DC2024-10-21-11-22.json  
DC2024-10-21-11-25.json  
DC2024-10-21-11-29.json  
DC2024-10-22-10-10.json  
**데이터 선택**  
DC2024-10-22-13-35.json

App Rho Model

Scale Log Log

Min R << >> << >>

Max R << >> << >>

**측정데이터 요약 정보**

**컬러 범위 조정**

# 장비 ID, 데이터 동기화 설정

cRho V4.0 [Build : 2024.10.22\_1445] [ Start At 2024-10-30\_09:13]

Main Switch Box Schedule DataView **Setting**

System ID :

System Description :

☐ Server ☒ Local

System ID to Register :

Data Sync ☒ On ☐ Off

T.S. Sync ☐ On ☒ Off

ServerAddress	Account	Port
<input type="text" value="1.233.121.35"/>	<input type="text" value="cRho"/>	<input type="text" value="35353"/>

Check Server Interval

local

장비 ID 설정

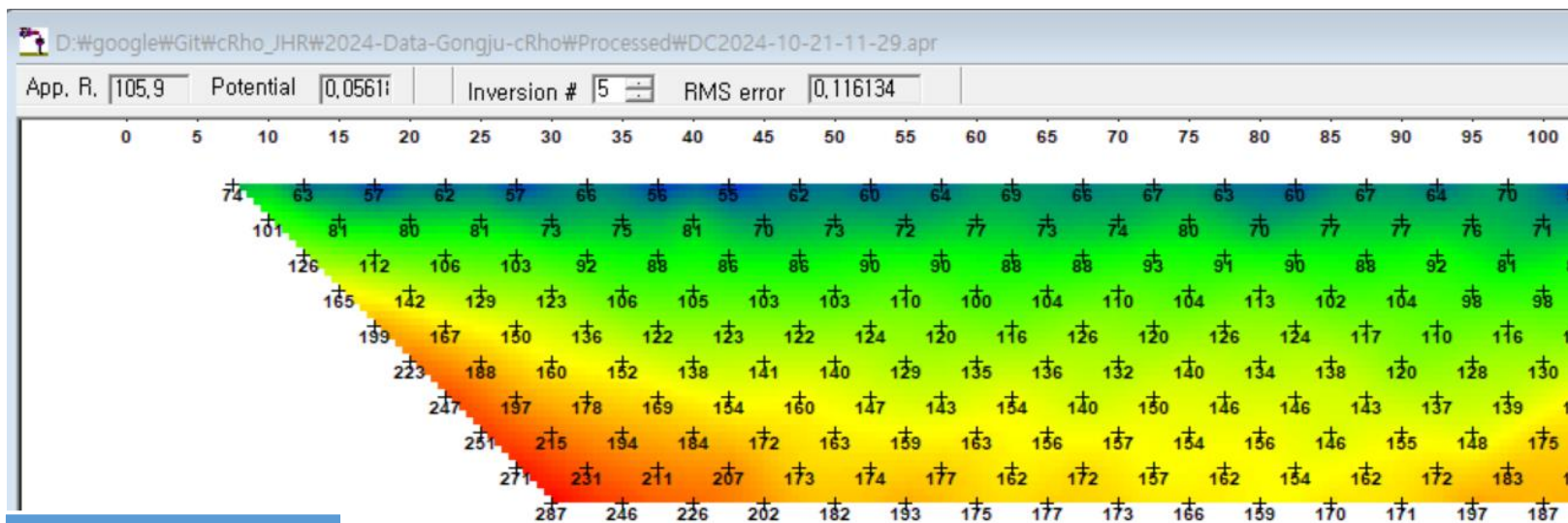
데이터 동기화 설정

서버, 로컬 설정

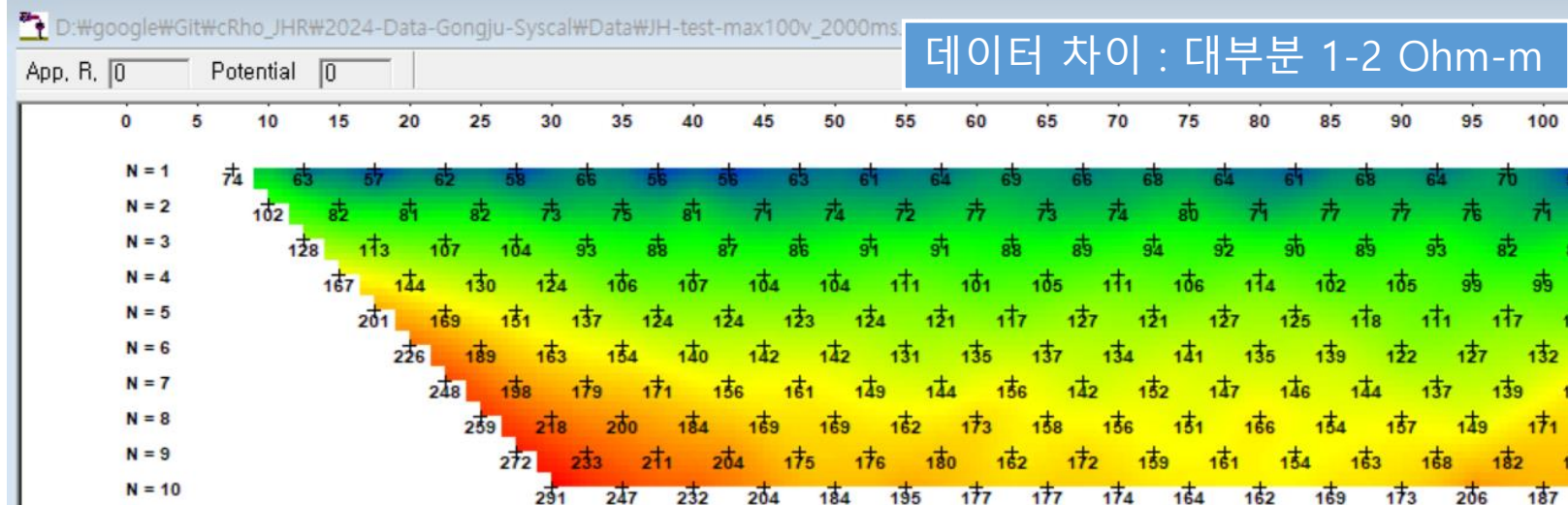
등록된 장비 리스트

자료 측정 종료시 서버로 데이터 자동 전송

# 정확도 검증 - 중흥저수지(공주), 2024년 10월

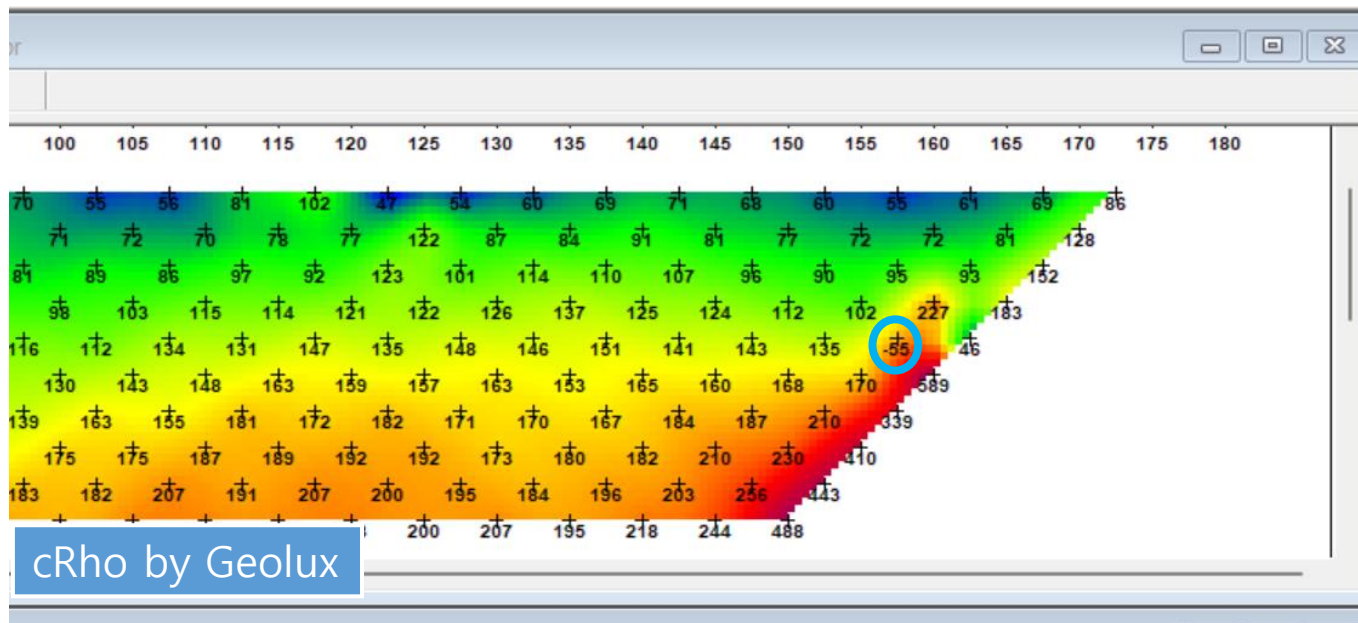


cRho by Geolux



IRIS Syscal Pro – Operated by Dr. Son of KIGAM

# 정확도 검증 - 중흥저수지(공주), 2024년 10월



데이터 차이 : 대부분 1-2 Ohm-m

