


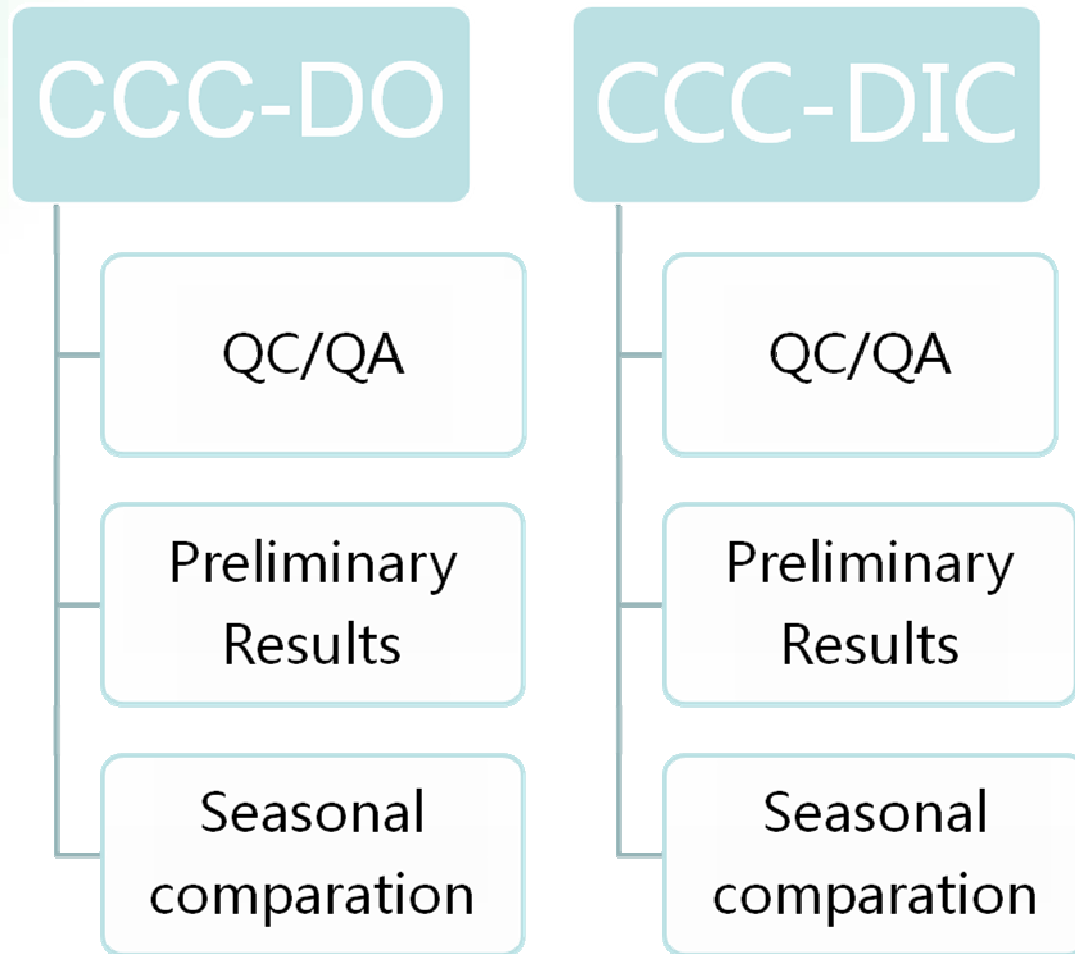
CCC-Fall cruise D0 & DIC
QC/QA preliminary result

D0 measured by LG Guo
DIC measured by XY Yan

2011-2-26



OUTLINE



CCC-DO QC/QA

DO 平行样误差

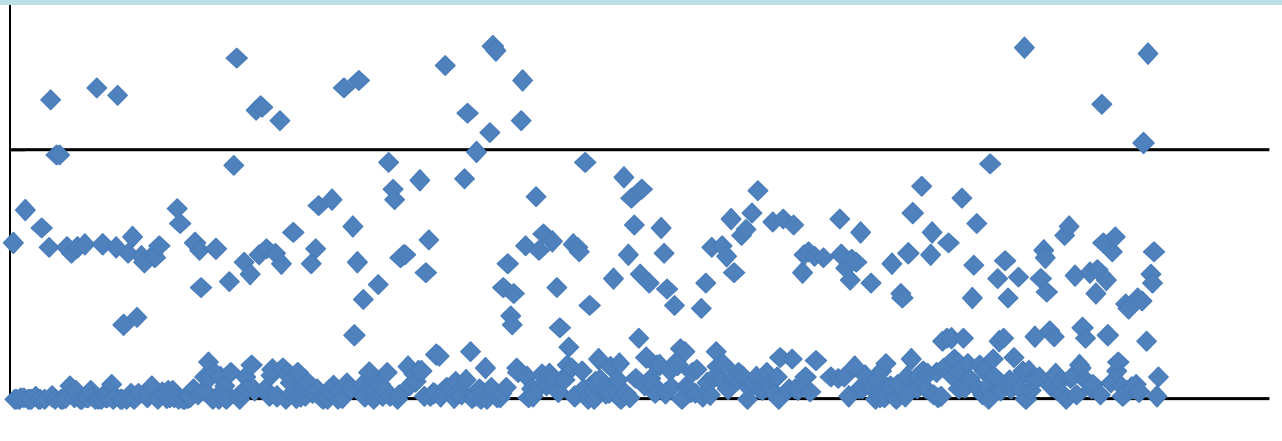
1.50%

CCC-Fall-DO:

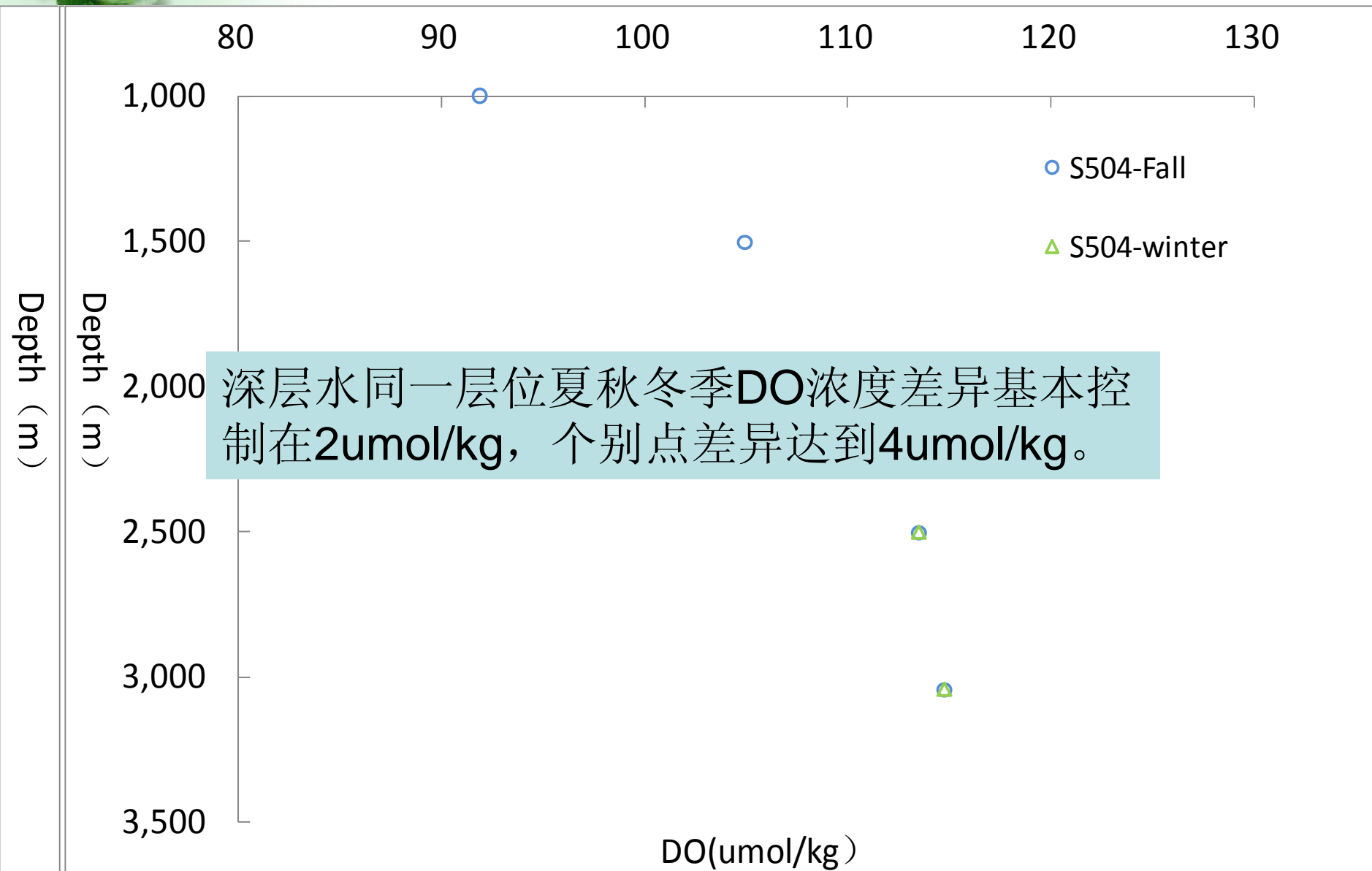
站点101个，层位545个，平行测定DO样品共计1084个，有效数据544个，A8-20m数据缺失，约96%平行样误差<0.5%

0.50%

0.00%

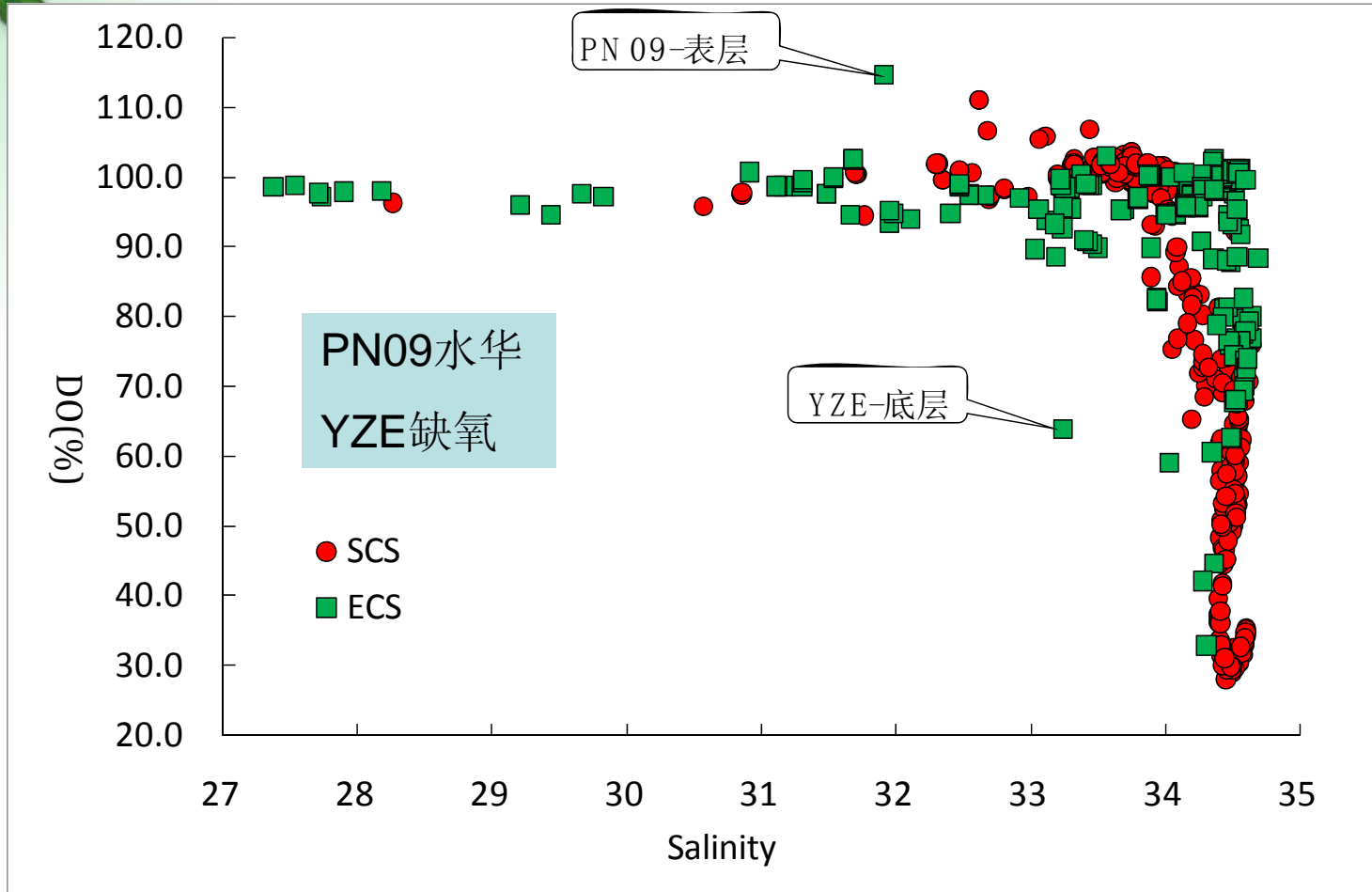


CCC-DO QC/QA



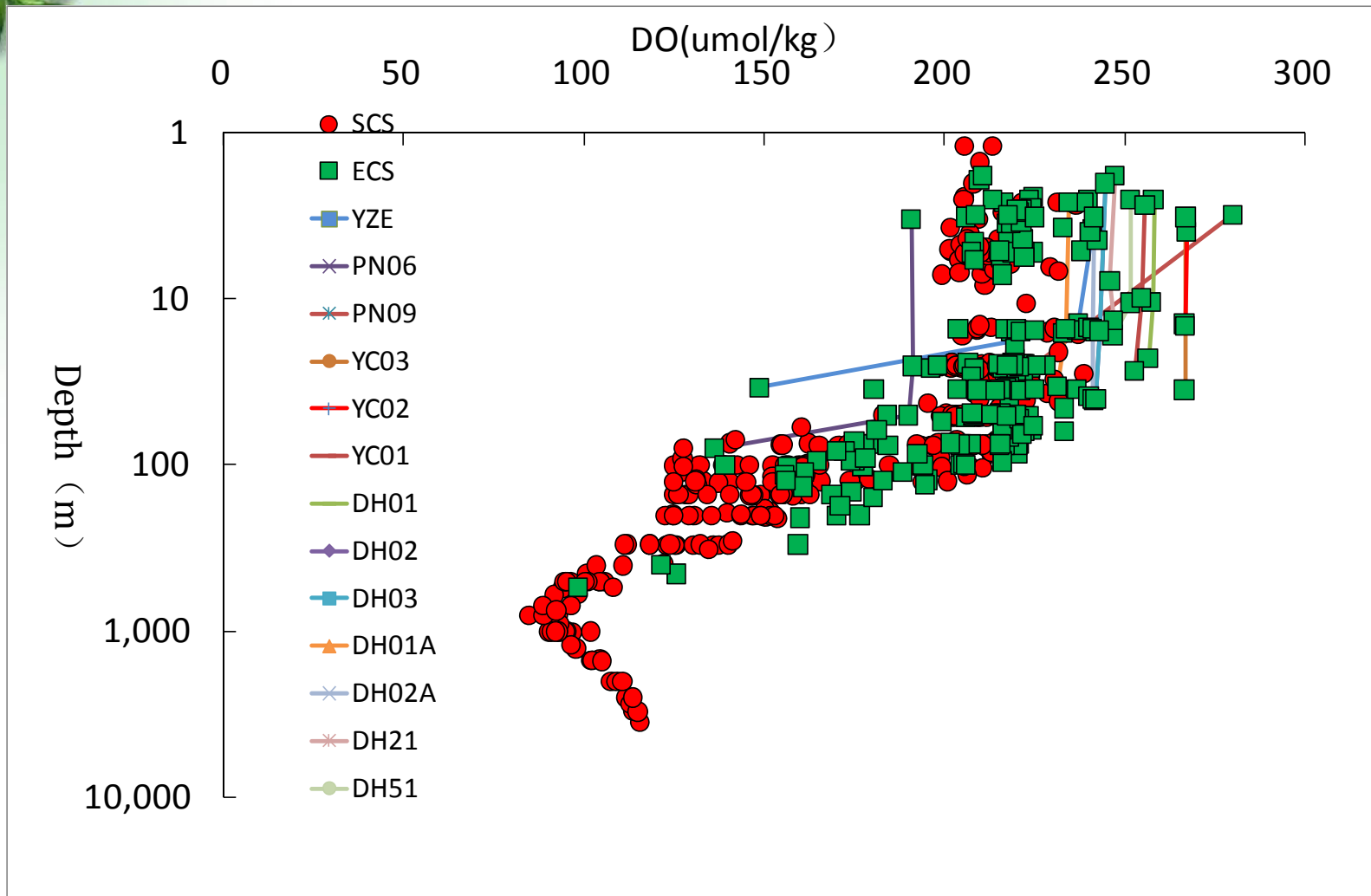
CCC-D0 preliminary result

D0%-Sal



CCC-D0 preliminary result

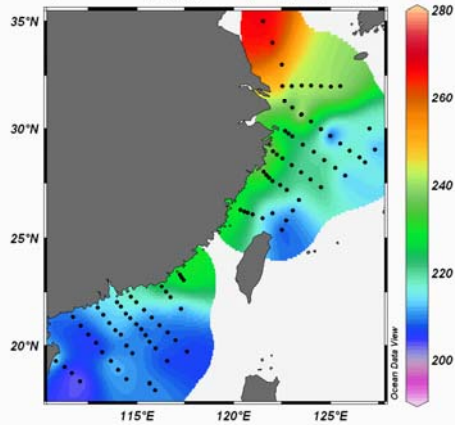
D0 Profile



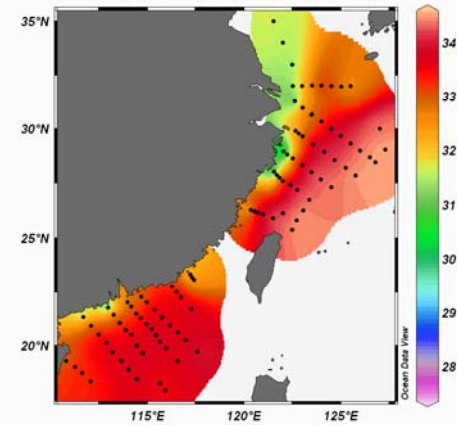
CCC-D0 preliminary result

D0 Surface distribution

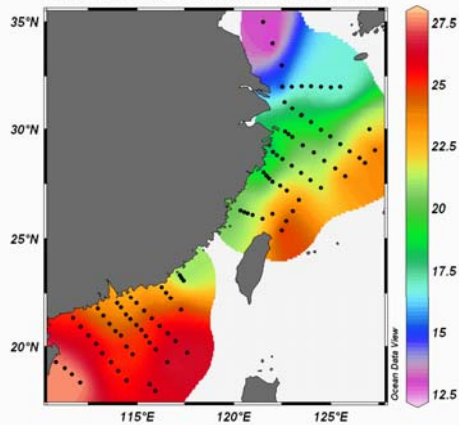
DO ($\mu\text{mol O}_2 \text{ kg}^{-1}$) @ Sampling depth (m)=Top



Salinity @ Sampling depth (m)=Top

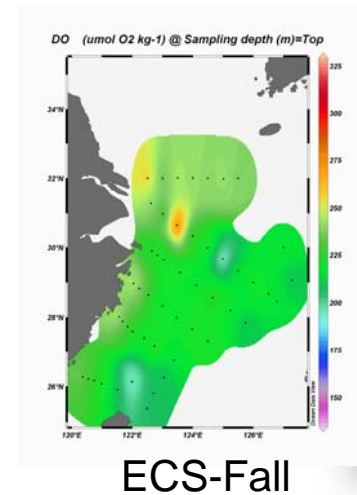
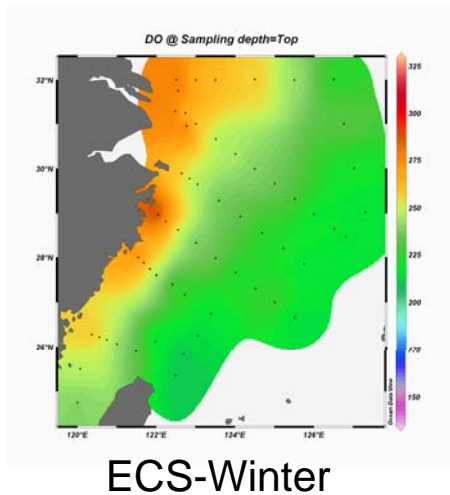
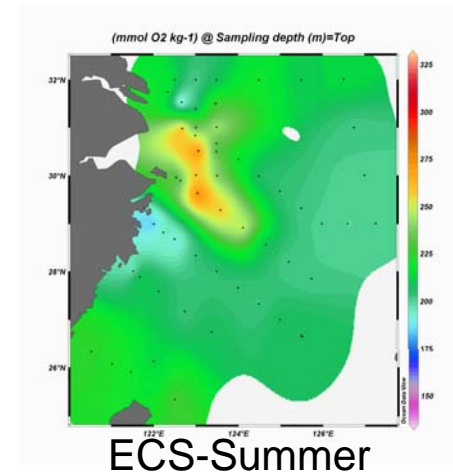
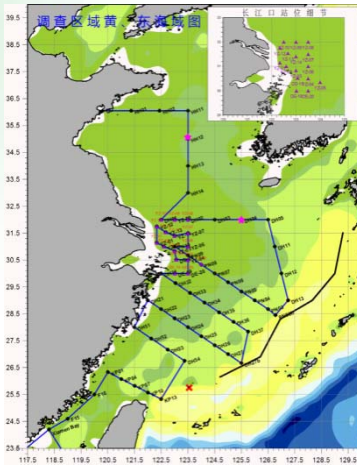


Temp ($^{\circ}\text{C}$) @ Sampling depth (m)=Top



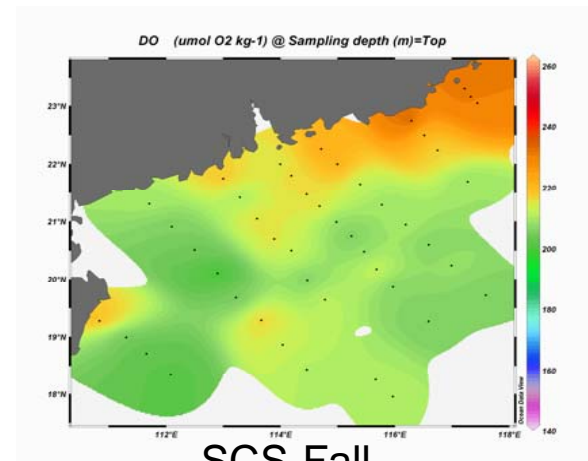
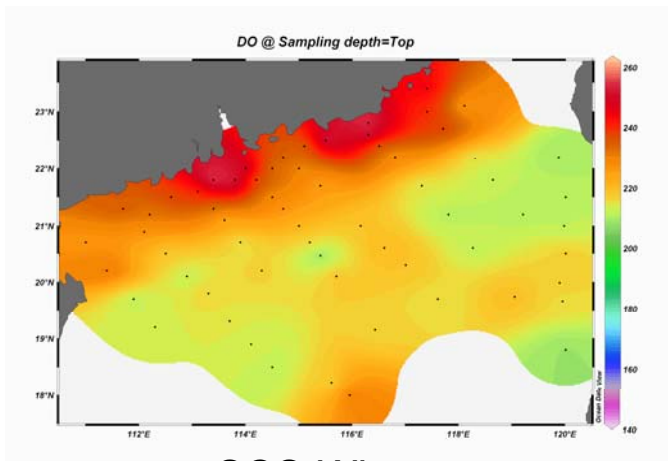
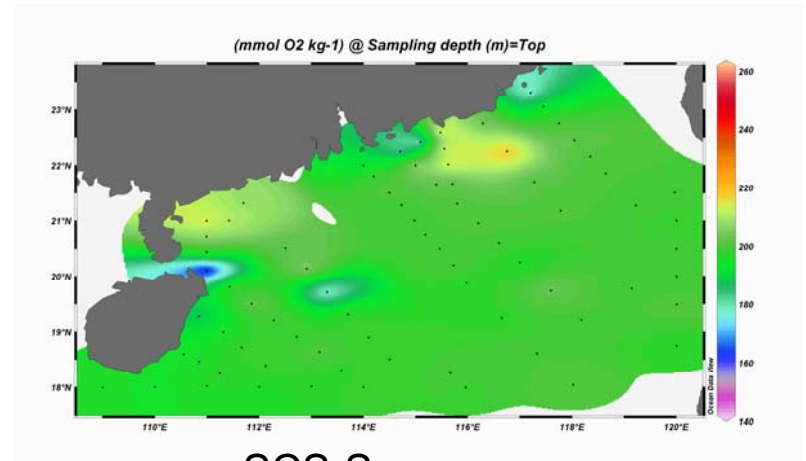
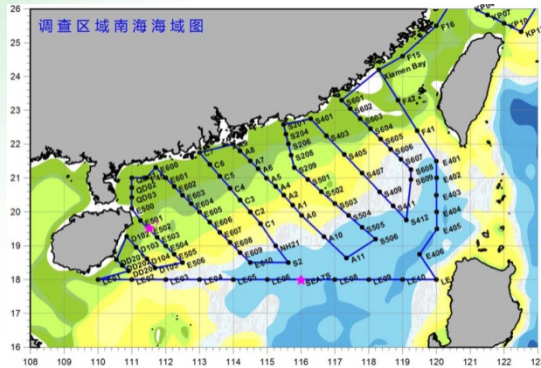
CCC-DO Seasonal comparison

ECS DO Surface distribution

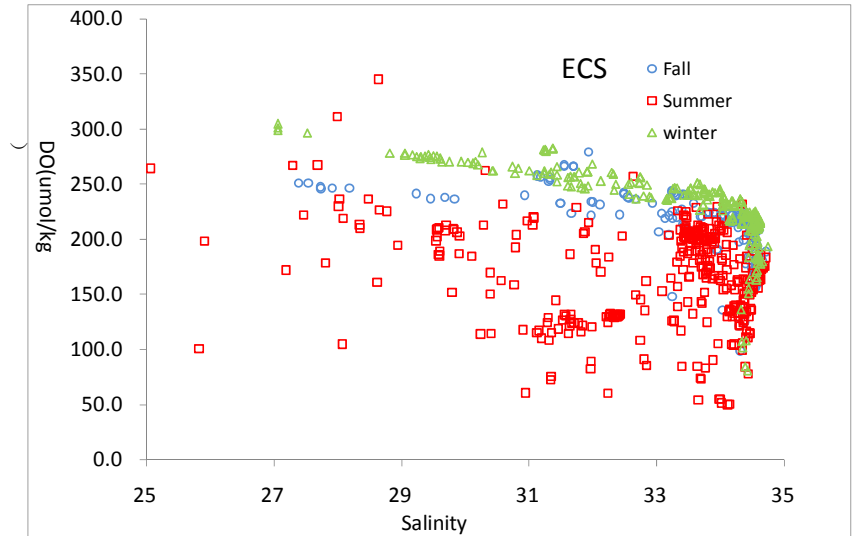
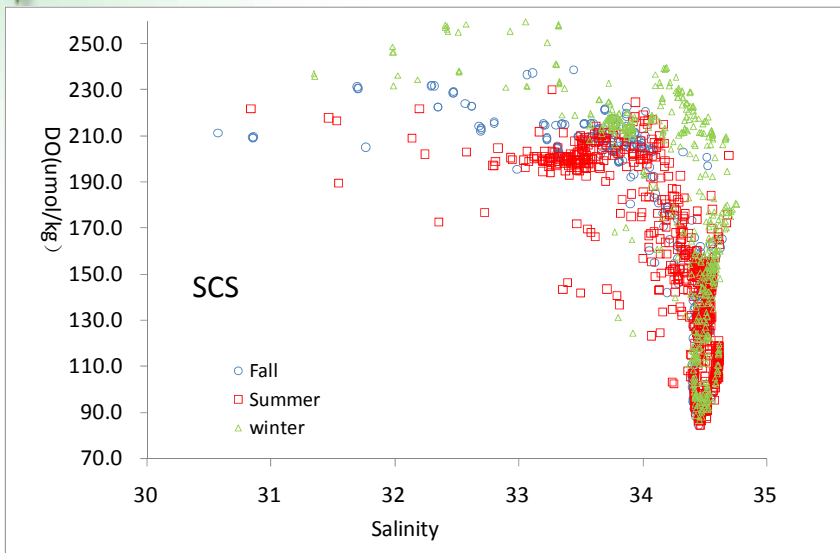


CCC-D0 Seasonal comparison

SCS D0 Surface distribution



CCC-DO Seasonal comparison SCS & ECS DO-Sal



CCC-DIC QC/QA

1.50

DIC-STD-CV(‰)

CCC-fall-DIC:

样品共计545个，层位545个，有效数据545个。

做标线150条，根据标线得到的测样精度 $\pm 0.5\text{‰}$ ，准度 $\pm 0.02\text{umol/kg}$ 。

0.00

-0.02

0.04

20.00

10.00

0.00

-10.00

-20.00

DIC-STD-Error after(umol/kg)



CCC-DIC QC/QA

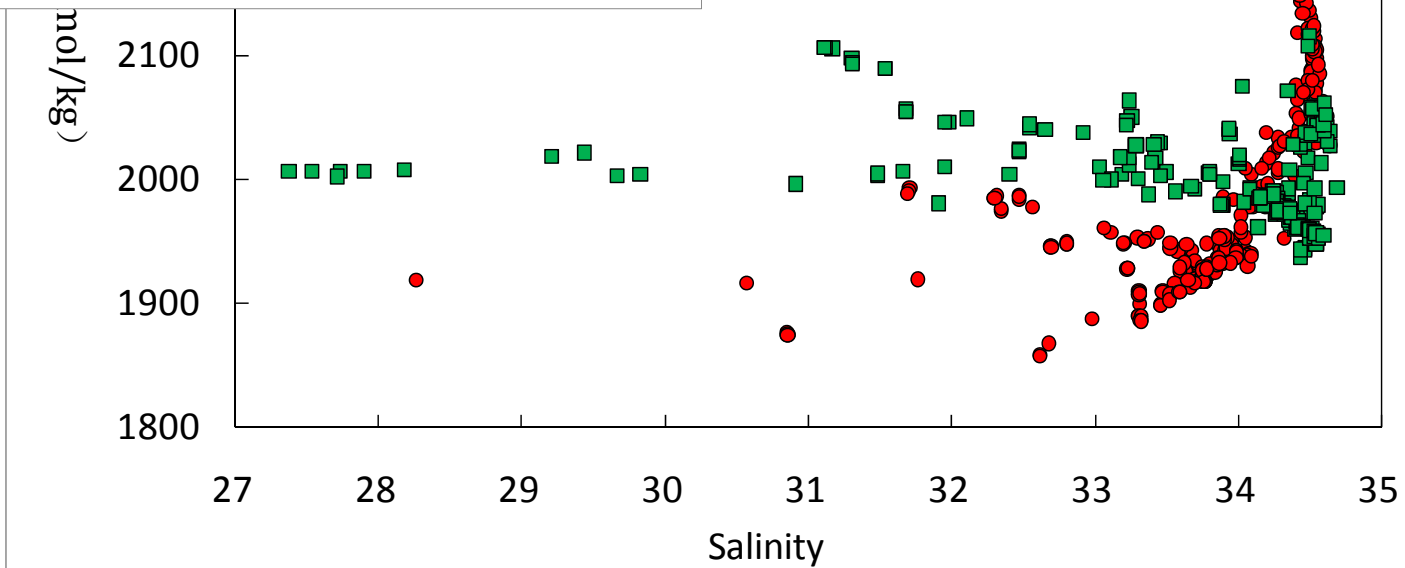
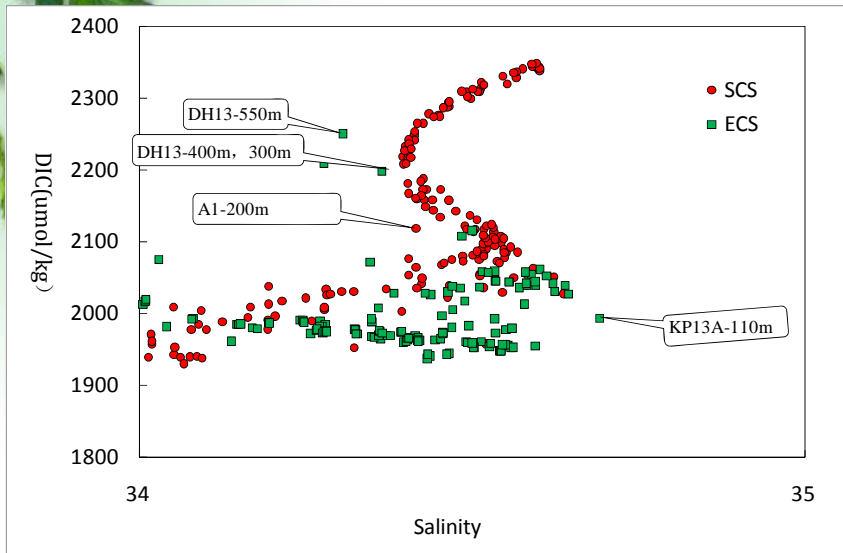
平行样误差

Sample ID	Error (%)
CCC03 E601 50m 2010-10-30	-0.13%
CCC03 E601 25m 2010-10-30	0.06%
CCC03 E601 15m 2010-10-30	0.21%
CCC03 E601 5m 2010-10-30	0.10%
CCC03 E602 70m 2010-10-31	-0.11%
CCC03 E602 50m 2010-10-31	0.03%
CCC03 E602 25m 2010-10-31	-0.09%
CCC03 E602 5m 2010-10-31	-0.04%
CCC03 E603 90m 2010-10-31	0.09%
CCC03 E603 75m 2010-10-31	0.01%
CCC03 E603 50m 2010-10-31	0.00%
CCC03 E603 25m 2010-10-31	0.02%
CCC03 E603 5m 2010-10-31	0.05%
CCC03 E607 1000m 2010-11-8	-0.13%
CCC03 E607 800m 2010-11-8	-0.10%
CCC03 E607 500m 2010-11-8	-0.01%
CCC03 SETAS 800m 2010-11-20	0.05%

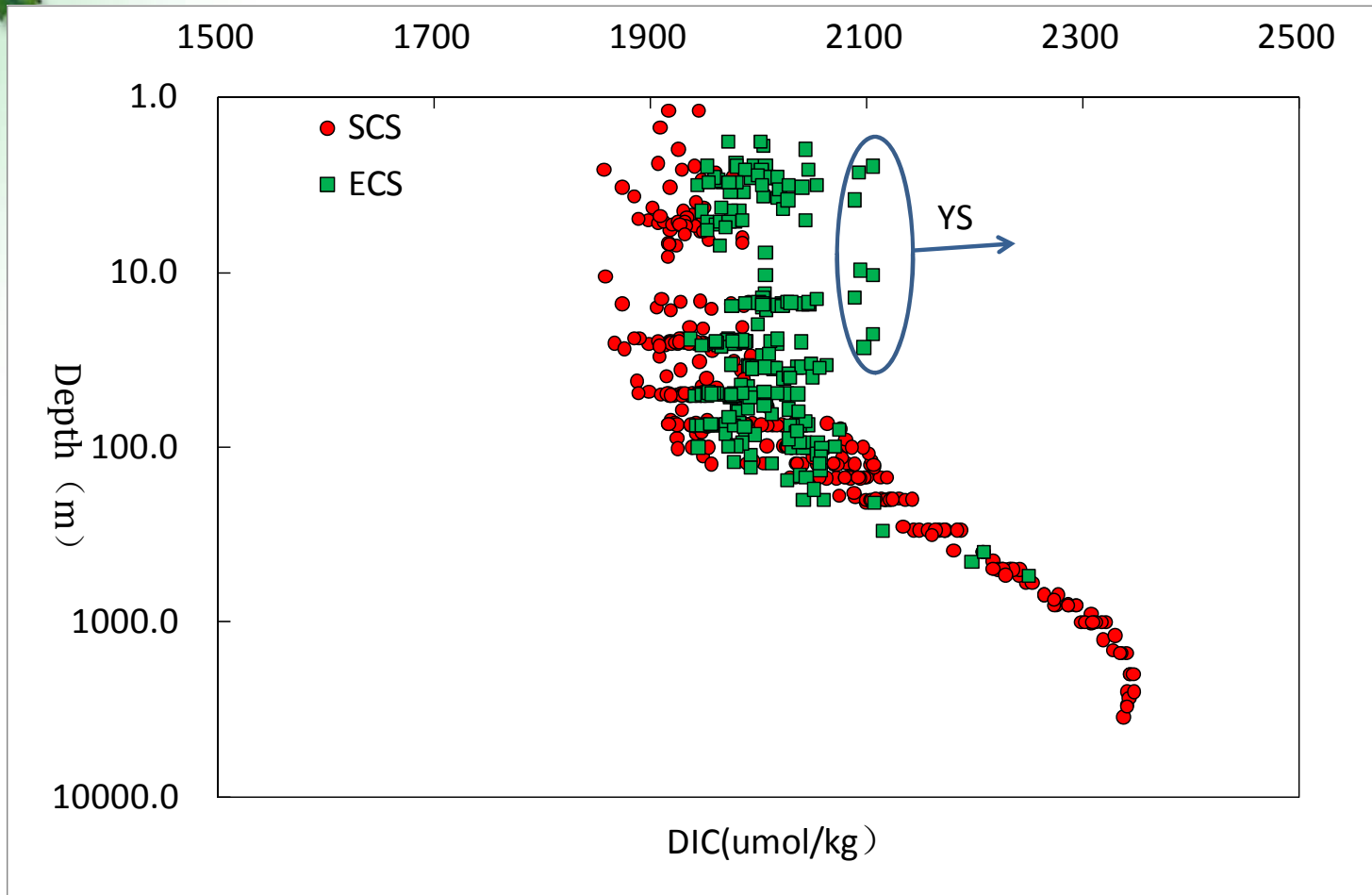
Sample ID#	Error (%)		
		CCC03-KK1-200m 2010-12-20	0.09%
CCC03-SEATS-3500m 2010-12-20	0.08%	CCC03-KK1-150m 2010-12-20	0.00%
CCC03-SEATS-3000m 2010-12-20	0.13%	CCC03-KK1-130m 2010-12-20	0.07%
CCC03-SEATS-2500m 2010-12-20	0.17%	CCC03-KK1-120m 2010-12-20	-0.03%
CCC03-SEATS-2000m 2010-12-20	0.15%	CCC03-KK1-110m 2010-12-20	-0.04%
CCC03-SEATS-1500m 2010-12-20	0.07%	CCC03-KK1-100m 2010-12-20	-0.07%
CCC03-SEATS-1200m 2010-12-20	0.02%	CCC03-KK1-90m 2010-12-20	0.09%
CCC03-SEATS-1000m 2010-12-20	0.07%	CCC03-KK1-80m 2010-12-20	-0.23%
CCC03-SEATS-900m 2010-12-20	-0.06%	CCC03-KK1-70m 2010-12-20	0.03%
CCC03-SEATS-800m 2010-12-20	-0.09%	CCC03-KK1-60m 2010-12-20	0.02%
CCC03-SEATS-700m 2010-12-20	-0.04%	CCC03-KK1-50m 2010-12-20	-0.09%
CCC03-SEATS-600m 2010-12-20	0.18%	CCC03-KK1-40m 2010-12-20	0.00%
CCC03-KK1-500m 2010-12-20	0.03%	CCC03-KK1-30m 2010-12-20	0.01%
CCC03-KK1-400m 2010-12-20	0.11%	CCC03-KK1-15m 2010-12-20	-0.06%
CCC03-KK1-300m 2010-12-20	0.08%	CCC03-KK1-2m 2010-12-20	0.02%

CCC-DIC preliminary result

DIC-Sal

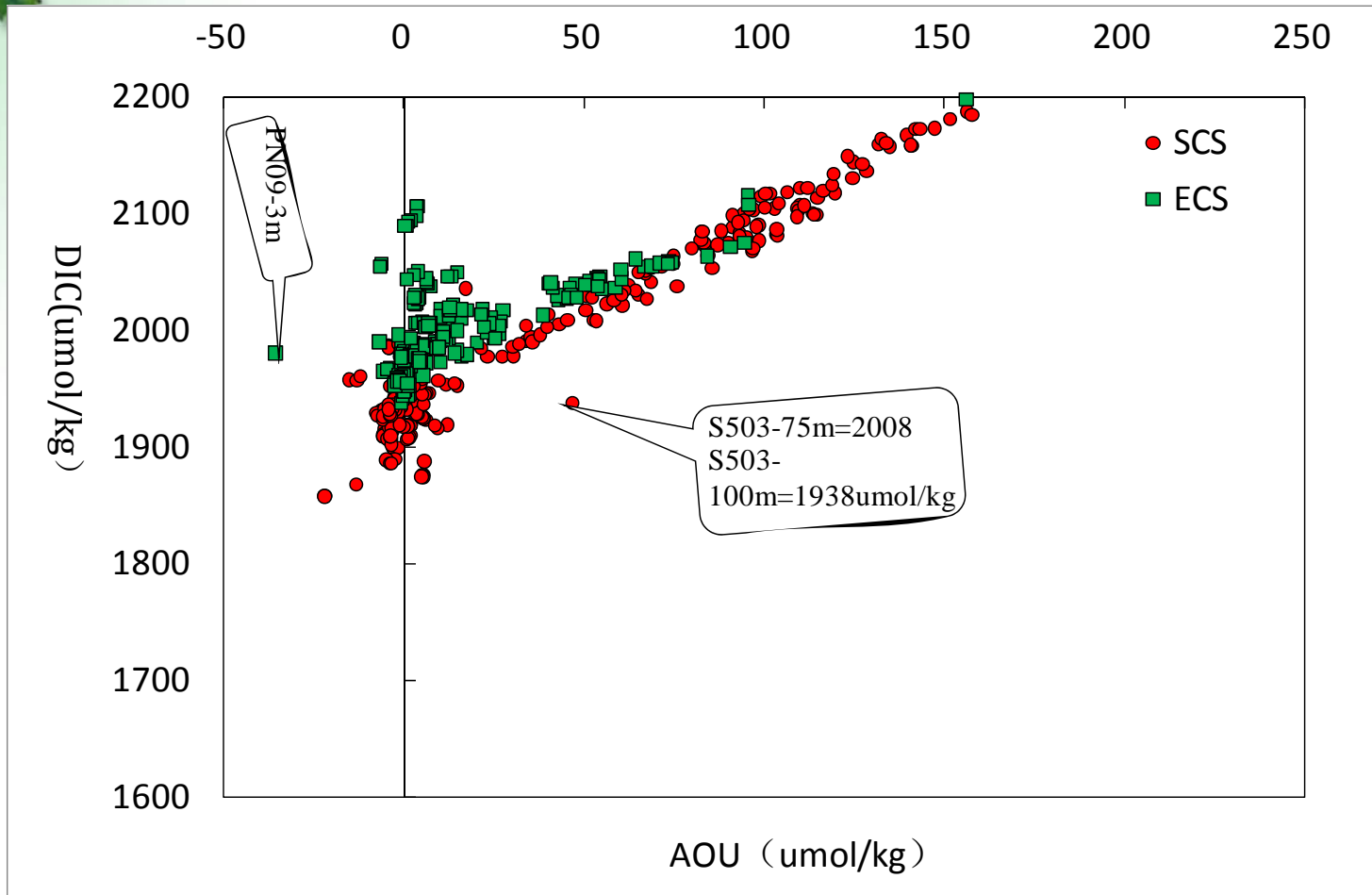


CCC-DIC preliminary result DIC Profile



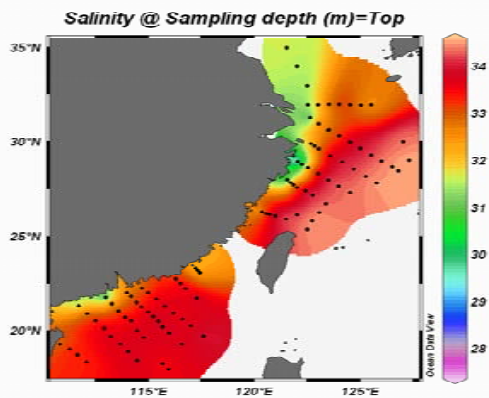
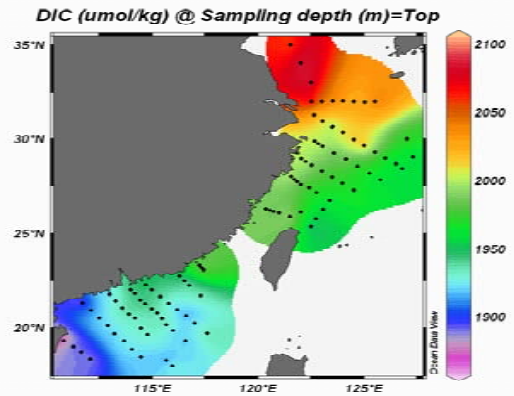
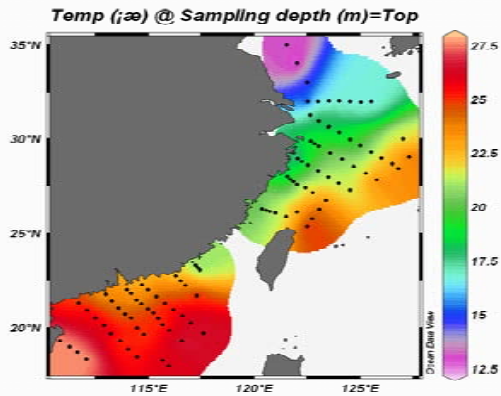
CCC-DIC preliminary result

DIC-AOU



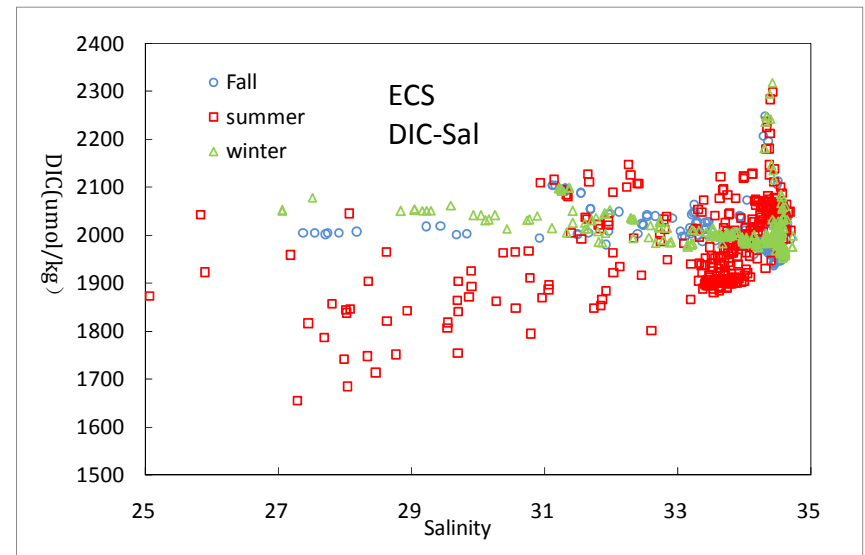
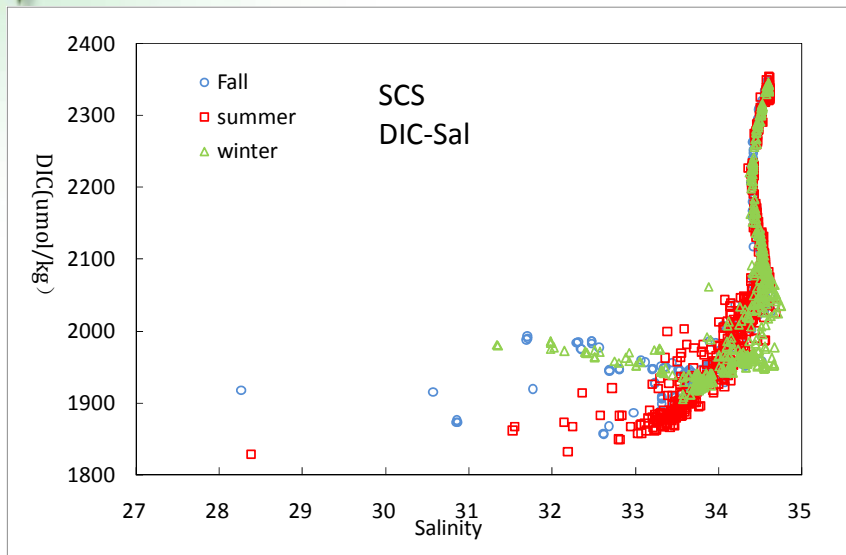
CCC-DIC preliminary result

DIC Surface Distribution



CCC-DIC Seasonal comparison

SCS & ECS DIC-Sal





Thank You

