First Increment of Second Specimen Results to Performance Assessment-Long Term Corrosion

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**First Increment of Second Specimen Results
to Performance Assessment - Long Term Corrosion**

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**Francis Wang
January 1998**

In this correspondence, we report the 6 month corrosion data of corrosion resistant alloys (alloys 825, G3, C22 & C4, and Ti Gr 12 & Ti Gr 16, and Inconel 625) and one year data of corrosion-allowance materials (A387 Gr22, A516 Gr55 and A27 Gr70-40), intermediate resistance alloys (Monel 400 and CDA 715) and corrosion resistant materials (alloys C22 and 625 only).

Currently there are 24 vessels in the Long Term Corrosion Studies Facility. Four types of solutions are used for the corrosion study. They are: (1) basic (from bicarbonate) simulated dilute water (SDW), (2) basic simulated concentrated water (SCW), (3) acidic concentrated solutions (SAW) which contain no bicarbonate and fluoride and (4) Simulated Cement Modified Water (SCMW). Studies conducted at 60 °C and 90 °C. The base-line compositions of each solution are shown in the following table: (all concentrations are in ppm).

<u>Solution</u>	<u>T(°C)</u>	<u>pH</u>	<u>Ca²⁺</u>	<u>Mg²⁺</u>	<u>K⁺</u>	<u>Na⁺</u>	<u>Si*</u>	<u>SO₄²⁻</u>	<u>Cl⁻</u>	<u>NO₃⁻</u>	<u>F⁻</u>	<u>HCO₃⁻</u>
SDW	60	9.5	3.5	1.2	36	430	17	170	68	62	14	720
SDW	90	9.9	3.4	ND	38	460	16	180	74	64	15	700
SCW	60	9.2	16	29	4,600	36,000	18	13,000	7,400	7,000	330	44,000
SCW	90	9.2	15	3.4	4,500	44,000	58	13,000	7,500	7,200	1,400	51,000
SAW	60	2.7	58	52	4,300	43,000	30	41,000	28,000	23,000	0	0
SAW	90	2.7	58	53	4,300	43,000	50	40,000	27,000	24,000	0	0
SCMW	60	7.8	400	4	85	10	10	1200	11	10	<0.1	<1

*sodium metasilicate was used as the silicate, but it was analyzed by ICP as elemental silicon.

In general, the concentration of each ion in SCW should be ~100 times of that in SDW. However Ca²⁺ and Mg²⁺ form insoluble salts with HCO₃⁻, F⁻ and silicate.

In all the basic SCW and SDW solutions, pH values has increased slowly from 9 to 10 over the course of the year's testing. This is due to the decomposition of bicarbonate ions (HCO₃⁻ → CO₂ + OH⁻). The SAW solution used for the corrosion study of intermediate resistant materials can dissolve both copper and nickle and raise the pH from 2.7 to ~5.3 in few weeks. To continue the corrosion study, it was decided to maintain the "equilibrium" pH value (5 to 6) and not to add more acid to the solution.

In each test vessel, approximately half of the specimens are submersed in the test solutions, about half are in the water vapor saturated air above the test solutions, and a limited number of specimens are at the waterline. The temperature of the vapor phase is 2 to 4 °C lower then the solution phase, hence there is water condensation on the specimens in the vapor phase.

On the attached two sets of data sheets (Corrosion Rate Calculations for Weight Loss Specimens and Corrosion Rate Calculations for Crevice Specimens) the sample identification is composed of an alphanumeric matrix. The first, second, and third characters describe the alloy, specimen type, and metallurgical condition, respectively. The first character indicates alloys A through N. The alloy designation of each specimen is provided in a column on the data sheets. The second character indicates the specimen type, "W" for Weight Loss specimen and "C" for Crevice specimen. The third character indicates the metallurgical condition A through J. A specimen with a third character identification "A" indicates a non-welded specimen, while specimens with the third character identified with letters B through J indicate

welding practices specific to each alloy system. The last three digits are sequential numeric characters that simply distinguish one sample from another only by the particular number. Weight loss specimens are nominally 2.54 cm x 5.08 cm (1" x 2") and crevice specimens are 5.08 cm x 5.08 cm (2" x 2").

The results of corrosion rate are divided into three groups:

1. Corrosion-allowance materials

For both weight-loss and crevice specimens, visual inspection and weight loss data gave no clear evidence of a difference in the corrosion resistance of welded and unwelded areas. For the crevice specimens, the creviced area is only a small fraction of the total surface area. Majority of the creviced area is not attacked. The corrosion rates of crevice specimens was similar to that of the weight-loss specimens.

Because the corrosion of welded and unwelded weight-loss and crevice specimens are quite similar, we decide to group them together to obtain an average corrosion rate for each steel. The corrosion rates are shown in the attached Table 1. Each corrosion rate of waterline specimens is the average of 2, 1 unwelded and 1 welded weight-loss specimen. For in- and above-water specimens, each rate is an average of 12 specimens (3 unwelded weight-loss, 3 unwelded crevice, 3 welded weight-loss and 3 welded crevice).

The data presented in Table 1 underestimates the actual corrosion penetration into the specimens for two reasons. 1. In some cases, portions of a specimen were only lightly attacked, while other portions of the same specimen were significantly attacked. 2. The depth of penetration was not uniform in the attacked area, that is the surface was roughened on a macroscopic scale. The roughening was primarily broad pits. More detailed study is in progress to determine the characteristics of the penetration front into the specimens.

As indicated in Table 1, the above-water specimens in vessels of SCW have higher corrosion rates than those of the in-water specimens. This is probably caused by the high CO₂ concentration in the vapor phase, which is the results of the bicarbonate decomposition in solution. Carbon dioxide released to the vapor phase will be redissolved in the condensate on the surfaces of above-water specimens and forms carbonic acid which can promote the corrosion of iron. The lower corrosion rates of the at-waterline specimens in SCW at 90 °C, especially A516, may be because the samples were mounted vertically and less condensate collected on the surface. Also, at 90 °C the solubility of CO₂ in the condensate is less than that at 60 °C.

A residual gas analyzer (RGA) was used to analyze the gas above the SCW at 60 and 90 °C. The CO₂ content is ~ 30 times and ~70 times greater than that of normal atmosphere air respectively.

The concentration of dissolved oxygen in test solutions can be a factor for the corrosion rate of in-water specimens. The concentrations were measured and they are 7.0 ppm in SDW and 5.2 ppm in SCW at 24 °C. It is known that oxygen is less soluble in a solution with higher dissolved salts when compared at same temperature, but the difference in oxygen solubility among the solutions is less than that at a higher temperature. We expected that at either 60 or 90 °C, the difference of dissolved oxygen concentration between SDW and SCW is less than 1.8 ppm (7.0 - 5.2 = 1.8). It is too small to explain the lower corrosion rates of in-water specimens of SCW than that of those of SDW, especially at 90 °C.

The low corrosion rate of in-water specimens in SCW is likely due to the passivation of steels by the high concentration of anions, especially bicarbonate. Although anions can contribute to the destruction of the oxide film, at high concentration they can also initiate inhibition by being adsorbed on to the metal surface at weak points in the oxide film, suppressing anodic dissolution of the metal. Less aggressive anions are likely to be able to passivate at lower concentrations than the more aggressive ones. In the test solutions used for this study, bicarbonate is the least aggressive major anion.

For coupons mounted at the waterline, the corrosion condition of above water portion is similar to that of the above-water specimens; the under water portion is usually worse than that of in-water specimens. The worst corrosion is always at the part right below the waterline.

Using the x-ray diffraction method, we have identified the corrosion products. They are: Fe_2O_3 , $\text{FeO}(\text{OH})$ and Fe_3O_4 . No iron carbonates were found in the corrosion product collected from the worst corroded coupons (i.e. above-water of SCW at 90 °C).

U-bend specimens from the corrosion-allowance specimens in 60 and 90 °C SDW and SCW environments exhibited no evidence of SCC under light microscopy examination.

Intermediate-resistant materials

A summary of the corrosion rate of Monel 400 and CDA 715 at 60 and 90 °C is shown in the attached Table 2. Again, each corrosion rate of a specimen is the average of 12 specimens (3 unwelded weight-loss, 3 unwelded crevice, 3 welded weight-loss and 3 welded crevice). The large weight loss of in-water specimens after 6 month is due to acidic dissolution (i.e. $\text{M} + 2\text{H}^+ = \text{M}^{2+} + \text{H}_2$). The acidic dissolution is indicated by the change of pH values from ~3 to ~5 in few weeks (i.e. equivalent to ~0.5 mole of divalent metals dissolved in 1,000 liters of solution). To continue the long term corrosion study of intermediate-resistant materials, we decided to allow the study to proceed under the “equilibrium” pH values (5 to 6). For the one year corrosion data, the solution pH values were kept at ~5.3.

No SCC was observed in U-bend specimens under light microscopy examination.

Corrosion-resistant materials

Summaries of the corrosion resistant material are shown in the attached Tables 3 and 4. The SAW used in this study showed no pH change after 6 months. In SAW at 60 °C, corrosion rates for all corrosion-resistant metals are negligible. However Ti Gr 12 and Gr 16 showed some surface oxidation. It was also observed that many small pits appeared on the edges of all titanium specimens. We believe they may be due to the embedded material (iron) from cutting during the specimen fabrication. This will be further examined (x-ray fluorescence may show the existence of iron). One alloy 825 in-water coupon showed few very tiny pits in the creviced area.

For the one year corrosion data, only alloy C22 and Inconel 625 in the vessel of SAW at 60 °C were completed.

No SCC was observed on any U-bend specimens under light microscopy examination.

Table 1 : Corrosion rate (micron/year) of steel under different environments

steel type	solution and temperature	environment					
		in - water		above - water		at - waterline	
		6 mo	1 yr	6 mo	1 yr	6 mo	1 yr
A387	SDW, 60°C	45	91	31	18	130	158
A516	same	93	76	46	27	220	194
Cast carbon steel	same	94	78	51	37	190	208
A387	SDW, 90°C	100	73	36	36	210	165
A516	same	100	54	77	56	240	111
Cast carbon steel	same	80	50	72	39	240	119
A387	SCW, 60°C	25	7	110	132	170	135
A516	same	66	10	210	194	210	134
Cast carbon steel	same	72	11	200	114	210	190
A387	SCW, 90°C	12	4	210	287	85	99
A516	same	12	6	240	227	16	58
Cast carbon steel	same	14	7	180	148	94	89

**Table 2 : Corrosion rate (micron/year) of
Monel 400 and CDA 715 at 60 °C & 90 °C**

	half year						one year					
	in - vapor		in - water		at - waterline		in - vapor		in - water		at - waterline	
	60 °C	90 °C	60 °C	90 °C	60 °C	90 °C	60 °C	90 °C	60 °C	90 °C	60 °C	90 °C
Monel 400	1	4	118	92	87	59	1	2	61	52	54	38
CDA 715	4	11	219	282	403	285	3	9	117	215	216	221

Table 3 : Corrosion rate (micron/year) of corrosion resistant materials after half year in vapor above and in SAW solution at 60 °C & 90 °C

	temp, °C	in vapor	in water		temp, °C	in vapor	in water
Alloy 825	60	0.03	0.58	Titanium Gr 12	60	7.97	4.48
	90	0.08	1.33		90	7.78	3.96
Alloy G3	60	0.02	0.01	Titanium Gr 16	60	5.49	2.05
	90	0.04	0.12		90	4.43	2.3
Alloy C22	60	0.06	0.04	Inconel 625	60	0.05	-0.01
	90	0.06	0.1		90	0.03	-0.01
Alloy C4	60	0.06	0.08				
	90	0.06	0.13				

**Table 4 : Corrosion rate (micron/year) of Alloy
C22 and Inconel 625 above and in SAW
at 60 °C after one year**

	in-vapor	in-water
C22	0.03	0.03
Inconel 625	0.01	0.01

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 23-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
IWA 001	A387 Grade 22	4536	28.680	0.2073	17.76	60 C SDW VAPOR PHASE
IWA 002	A387 Grade 22	4536	28.857	0.2647	22.54	60 C SDW VAPOR PHASE
IWA 003	A387 Grade 22	4536	29.182	0.5066	42.65	60 C SDW VAPOR PHASE
IWA 004	A387 Grade 22	4536	28.431	0.5857	50.62	60 C SDW AQUEOUS PHASE
IWA 005	A387 Grade 22	4536	29.017	0.2817	23.85	60 C SDW AQUEOUS PHASE
IWA 006	A387 Grade 22	4536	29.034	1.4452	122.30	60 C SDW AQUEOUS PHASE
IWA 031	A387 Grade 22	4536	29.005	1.6293	138.02	60 C SDW WATERLINE
IWH 001	A387 Grade 22	4536	29.122	0.2385	20.12	60 C SDW VAPOR PHASE
IWH 002	A387 Grade 22	4536	27.941	0.3676	32.33	60 C SDW VAPOR PHASE
IWH 003	A387 Grade 22	4536	29.366	0.6853	57.34	60 C SDW VAPOR PHASE
IWH 004	A387 Grade 22	4536	29.099	0.4067	34.34	60 C SDW AQUEOUS PHASE
IWH 005	A387 Grade 22	4536	29.045	0.3622	30.64	60 C SDW AQUEOUS PHASE
IWH 006	A387 Grade 22	4536	29.178	0.4538	38.21	60 C SDW AQUEOUS PHASE
IWH 031	A387 Grade 22	4536	28.990	1.6319	138.31	60 C SDW WATERLINE
JWA 001	A516 Grade 55	4536	28.702	0.3233	27.68	60 C SDW VAPOR PHASE
JWA 002	A516 Grade 55	4536	28.859	0.2539	21.62	60 C SDW VAPOR PHASE
JWA 003	A516 Grade 55	4536	28.658	0.4892	41.94	60 C SDW VAPOR PHASE
JWA 004	A516 Grade 55	4536	28.403	1.1677	101.01	60 C SDW AQUEOUS PHASE
JWA 005	A516 Grade 55	4536	28.319	1.2497	108.43	60 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 23-1

Sample Identification	Allov	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
JWA 006	A516 Grade 55	4536	28.806	1.2349	105.33	60 C SDW AQUEOUS PHASE
JWA 031	A516 Grade 55	4536	29.192	2.6075	219.46	60 C SDW WATERLINE
JWI 001	A516 Grade 55	4536	27.504	0.4384	39.16	60 C SDW VAPOR PHASE
JWI 002	A516 Grade 55	4536	27.764	0.4193	37.11	60 C SDW VAPOR PHASE
JWI 003	A516 Grade 55	4536	27.419	0.6981	62.56	60 C SDW VAPOR PHASE
JWI 004	A516 Grade 55	4536	28.094	1.0079	88.15	60 C SDW AQUEOUS PHASE
JWI 005	A516 Grade 55	4536	27.486	1.1405	101.95	60 C SDW AQUEOUS PHASE
JWI 006	A516 Grade 55	4536	27.887	1.3384	117.92	60 C SDW AQUEOUS PHASE
JWI 031	A516 Grade 55	4536	27.852	2.5852	228.06	60 C SDW WATERLINE
KWA 001	A27 Grade 70-40	4536	28.344	0.4362	38.01	60 C SDW VAPOR PHASE
KWA 002	A27 Grade 70-40	4536	28.170	0.2313	20.28	60 C SDW VAPOR PHASE
KWA 003	A27 Grade 70-40	4536	28.230	0.4351	38.06	60 C SDW VAPOR PHASE
KWA 004	A27 Grade 70-40	4536	28.060	1.3262	116.72	60 C SDW AQUEOUS PHASE
KWA 005	A27 Grade 70-40	4536	28.095	0.4700	41.31	60 C SDW AQUEOUS PHASE
KWA 006	A27 Grade 70-40	4536	28.154	1.0919	95.78	60 C SDW AQUEOUS PHASE
KWA 031	A27 Grade 70-40	4536	28.220	2.3064	201.84	60 C SDW WATERLINE
KWI 001	A27 Grade 70-40	4536	28.537	0.7067	61.16	60 C SDW VAPOR PHASE
KWI 002	A27 Grade 70-40	4536	28.451	0.5307	46.07	60 C SDW VAPOR PHASE
KWI 003	A27 Grade 70-40	4536	28.088	0.8026	70.57	60 C SDW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 23-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 004	A27 Grade 70-40	4536	28.264	1.1524	100.69	60 C SDW AQUEOUS PHASE
KWI 005	A27 Grade 70-40	4536	27.888	1.0008	88.62	60 C SDW AQUEOUS PHASE
KWI 006	A27 Grade 70-40	4536	28.533	1.2701	109.93	60 C SDW AQUEOUS PHASE
KWI 031	A27 Grade 70-40	4536	27.372	2.2139	199.75	60 C SDW WATERLINE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 23-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
IWA 007	A387 Grade 22	8760	29.049	0.2910	12.74	60 C SDW VAPOR PHASE
IWA 008	A387 Grade 22	8760	28.523	0.3327	14.84	60 C SDW VAPOR PHASE
IWA 009	A387 Grade 22	8760	28.945	0.6259	27.51	60 C SDW VAPOR PHASE
IWA 010	A387 Grade 22	8760	28.539	2.0178	89.95	60 C SDW AQUEOUS PHASE
IWA 011	A387 Grade 22	8760	28.297	2.2737	102.23	60 C SDW AQUEOUS PHASE
IWA 012	A387 Grade 22	8760	28.950	2.7486	120.79	60 C SDW AQUEOUS PHASE
IWA 032	A387 Grade 22	8760	28.965	3.6390	159.84	60 C SDW WATERLINE
IWH 007	A387 Grade 22	8760	29.240	0.4200	18.27	60 C SDW VAPOR PHASE
IWH 008	A387 Grade 22	8760	29.149	0.5590	24.40	60 C SDW VAPOR PHASE
IWH 009	A387 Grade 22	8760	28.941	0.8521	37.46	60 C SDW VAPOR PHASE
IWH 010	A387 Grade 22	8760	29.111	2.6131	114.20	60 C SDW AQUEOUS PHASE
IWH 011	A387 Grade 22	8760	28.781	2.4676	109.08	60 C SDW AQUEOUS PHASE
IWH 012	A387 Grade 22	8760	29.173	0.4248	18.53	60 C SDW AQUEOUS PHASE
IWH 032	A387 Grade 22	8760	29.276	3.5821	155.67	60 C SDW WATERLINE
JWA 007	A516 Grade 55	8760	28.702	0.4950	21.94	60 C SDW VAPOR PHASE
JWA 008	A516 Grade 55	8760	28.494	0.5526	24.67	60 C SDW VAPOR PHASE
JWA 009	A516 Grade 55	8760	28.134	0.8404	38.00	60 C SDW VAPOR PHASE
JWA 010	A516 Grade 55	8760	28.788	1.8102	80.00	60 C SDW AQUEOUS PHASE
JWA 011	A516 Grade 55	8760	28.663	1.5038	66.75	60 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 23-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JWA 012	A516 Grade 55	8760	28.605	1.7383	77.31	60 C SDW AQUEOUS PHASE
JWA 032	A516 Grade 55	8760	28.386	3.7620	168.61	60 C SDW WATERLINE
JWI 007	A516 Grade 55	8760	27.840	0.4071	18.60	60 C SDW VAPOR PHASE
JWI 008	A516 Grade 55	8760	27.636	0.4418	20.34	60 C SDW VAPOR PHASE
JWI 009	A516 Grade 55	8760	27.516	0.8367	38.69	60 C SDW VAPOR PHASE
JWI 010	A516 Grade 55	8760	27.841	1.5283	69.84	60 C SDW AQUEOUS PHASE
JWI 011	A516 Grade 55	8760	27.684	1.8222	83.74	60 C SDW AQUEOUS PHASE
JWI 012	A516 Grade 55	8760	27.473	1.7121	79.29	60 C SDW AQUEOUS PHASE
JWI 032	A516 Grade 55	8760	28.022	4.8260	219.11	60 C SDW WATERLINE
KWA 007	A27 Grade 70-40	8760	28.167	0.7855	35.66	60 C SDW VAPOR PHASE
KWA 008	A27 Grade 70-40	8760	28.160	0.5552	25.21	60 C SDW VAPOR PHASE
KWA 009	A27 Grade 70-40	8760	28.145	0.7363	33.45	60 C SDW VAPOR PHASE
KWA 010	A27 Grade 70-40	8760	28.000	1.9919	90.97	60 C SDW AQUEOUS PHASE
KWA 011	A27 Grade 70-40	8760	28.116	1.8306	83.26	60 C SDW AQUEOUS PHASE
KWA 012	A27 Grade 70-40	8760	28.208	1.6387	74.29	60 C SDW AQUEOUS PHASE
KWA 032	A27 Grade 70-40	8760	28.261	5.1990	235.24	60 C SDW WATERLINE
KWI 007	A27 Grade 70-40	8760	27.807	0.7467	34.34	60 C SDW VAPOR PHASE
KWI 008	A27 Grade 70-40	8760	28.043	0.8135	37.10	60 C SDW VAPOR PHASE
KWI 009	A27 Grade 70-40	8760	28.058	0.9692	44.17	60 C SDW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 23-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 010	A27 Grade 70-40	8760	28.517	1.6251	72.87	60 C SDW AQUEOUS PHASE
KWI 011	A27 Grade 70-40	8760	28.387	1.6309	73.47	60 C SDW AQUEOUS PHASE
KWI 012	A27 Grade 70-40	8760	27.954	1.8289	83.66	60 C SDW AQUEOUS PHASE
KWI 032	A27 Grade 70-40	8760	28.037	3.9510	180.21	60 C SDW WATERLINE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 22-1

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
IWA 036	A387 Grade 22	4632	28.865	2.4882	207.41	90 C SDW WATERLINE
IWA 041	A387 Grade 22	4632	28.860	0.5304	44.22	90 C SDW VAPOR PHASE
IWA 042	A387 Grade 22	4632	28.879	0.5403	45.02	90 C SDW VAPOR PHASE
IWA 043	A387 Grade 22	4632	28.935	0.4968	41.31	90 C SDW VAPOR PHASE
IWA 044	A387 Grade 22	4632	28.799	1.3652	114.06	90 C SDW AQUEOUS PHASE
IWA 045	A387 Grade 22	4632	28.691	1.2959	108.68	90 C SDW AQUEOUS PHASE
IWA 046	A387 Grade 22	4632	28.789	0.9445	78.94	90 C SDW AQUEOUS PHASE
IWH 036	A387 Grade 22	4632	28.043	2.5592	219.58	90 C SDW WATERLINE
IWH 041	A387 Grade 22	4632	29.113	0.6336	52.37	90 C SDW VAPOR PHASE
IWH 042	A387 Grade 22	4632	29.228	0.6235	51.33	90 C SDW VAPOR PHASE
IWH 043	A387 Grade 22	4632	29.159	0.6283	51.85	90 C SDW VAPOR PHASE
IWH 044	A387 Grade 22	4632	29.206	1.3804	113.72	90 C SDW AQUEOUS PHASE
IWH 045	A387 Grade 22	4632	29.181	1.2912	106.46	90 C SDW AQUEOUS PHASE
IWH 046	A387 Grade 22	4632	29.061	1.5030	124.44	90 C SDW AQUEOUS PHASE
JWA 036	A516 Grade 55	4632	27.775	2.4751	214.42	90 C SDW WATERLINE
JWA 041	A516 Grade 55	4632	28.835	0.8489	70.83	90 C SDW VAPOR PHASE
JWA 042	A516 Grade 55	4632	28.573	0.7100	59.79	90 C SDW VAPOR PHASE
JWA 043	A516 Grade 55	4632	28.359	0.7533	63.91	90 C SDW VAPOR PHASE
JWA 044	A516 Grade 55	4632	29.056	1.0797	89.41	90 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 22-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
JWA 045	A516 Grade 55	4632	28.401	0.8133	68.90	90 C SDW AQUEOUS PHASE
JWA 046	A516 Grade 55	4632	29.481	1.0294	84.02	90 C SDW AQUEOUS PHASE
JWI 036	A516 Grade 55	4632	28.050	3.1770	272.52	90 C SDW WATERLINE
JWI 041	A516 Grade 55	4632	27.897	0.8859	76.41	90 C SDW VAPOR PHASE
JWI 042	A516 Grade 55	4632	27.940	1.0990	94.64	90 C SDW VAPOR PHASE
JWI 043	A516 Grade 55	4632	28.116	1.2261	104.93	90 C SDW VAPOR PHASE
JWI 044	A516 Grade 55	4632	28.120	1.0243	87.65	90 C SDW AQUEOUS PHASE
JWI 045	A516 Grade 55	4632	27.657	1.2352	107.46	90 C SDW AQUEOUS PHASE
JWI 046	A516 Grade 55	4632	28.402	1.5348	130.02	90 C SDW AQUEOUS PHASE
KWA 036	A27 Grade 70-40	4632	28.150	3.1445	270.15	90 C SDW WATERLINE
KWA 041	A27 Grade 70-40	4632	28.158	1.0636	91.35	90 C SDW VAPOR PHASE
KWA 042	A27 Grade 70-40	4632	28.285	0.5573	47.65	90 C SDW VAPOR PHASE
KWA 043	A27 Grade 70-40	4632	27.836	0.7197	62.53	90 C SDW VAPOR PHASE
KWA 044	A27 Grade 70-40	4632	28.305	0.8423	71.97	90 C SDW AQUEOUS PHASE
KWA 045	A27 Grade 70-40	4632	28.192	0.9280	79.61	90 C SDW AQUEOUS PHASE
KWA 046	A27 Grade 70-40	4632	28.021	1.1289	97.43	90 C SDW AQUEOUS PHASE
KWI 036	A27 Grade 70-40	4632	28.260	2.4648	210.93	90 C SDW WATERLINE
KWI 041	A27 Grade 70-40	4632	27.655	1.1642	101.81	90 C SDW VAPOR PHASE
KWI 042	A27 Grade 70-40	4632	28.215	0.7152	61.30	90 C SDW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 22-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 043	A27 Grade 70-40	4632	27.713	0.8577	74.85	90 C SDW VAPOR PHASE
KWI 044	A27 Grade 70-40	4632	28.025	0.8749	75.50	90 C SDW AQUEOUS PHASE
KWI 045	A27 Grade 70-40	4632	28.159	0.7917	67.99	90 C SDW AQUEOUS PHASE
KWI 046	A27 Grade 70-40	4632	28.141	1.0459	89.88	90 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 22-2

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
IWA 037	A387 Grade 22	8832	28.966	3.8451	167.51	90 C SDW WATERLINE
IWA 047	A387 Grade 22	8832	28.815	0.8075	35.36	90 C SDW VAPOR PHASE
IWA 048	A387 Grade 22	8832	28.958	0.8414	36.67	90 C SDW VAPOR PHASE
IWA 049	A387 Grade 22	8832	29.078	0.9785	42.46	90 C SDW VAPOR PHASE
IWA 050	A387 Grade 22	8832	28.917	1.7311	75.54	90 C SDW AQUEOUS PHASE
IWA 051	A387 Grade 22	8832	28.964	1.8040	78.59	90 C SDW AQUEOUS PHASE
IWA 052	A387 Grade 22	8832	28.873	1.8432	80.56	90 C SDW AQUEOUS PHASE
IWH 037	A387 Grade 22	8832	28.856	3.7071	162.12	90 C SDW WATERLINE
IWH 047	A387 Grade 22	8832	29.004	1.1770	51.21	90 C SDW VAPOR PHASE
IWH 048	A387 Grade 22	8832	29.043	0.9553	41.51	90 C SDW VAPOR PHASE
IWH 049	A387 Grade 22	8832	28.427	0.9245	41.04	90 C SDW VAPOR PHASE
IWH 050	A387 Grade 22	8832	28.965	1.7169	74.80	90 C SDW AQUEOUS PHASE
IWH 051	A387 Grade 22	8832	29.072	2.0195	87.66	90 C SDW AQUEOUS PHASE
IWH 052	A387 Grade 22	8832	29.174	1.6894	73.07	90 C SDW AQUEOUS PHASE
JWA 037	A516 Grade 55	8832	28.503	1.9016	84.19	90 C SDW WATERLINE
JWA 047	A516 Grade 55	8832	27.714	1.0232	46.59	90 C SDW VAPOR PHASE
JWA 048	A516 Grade 55	8832	29.186	1.0397	44.95	90 C SDW VAPOR PHASE
JWA 049	A516 Grade 55	8832	29.058	1.0305	44.75	90 C SDW VAPOR PHASE
JWA 050	A516 Grade 55	8832	28.860	0.9982	43.65	90 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 22-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JWA 051	A516 Grade 55	8832	28.722	1.0286	45.19	90 C SDW AQUEOUS PHASE
JWA 052	A516 Grade 55	8832	28.311	1.0836	48.30	90 C SDW AQUEOUS PHASE
JWI 037	A516 Grade 55	8832	27.796	3.0561	138.74	90 C SDW WATERLINE
JWI 047	A516 Grade 55	8832	28.086	1.1352	51.00	90 C SDW VAPOR PHASE
JWI 048	A516 Grade 55	8832	28.264	1.3274	59.26	90 C SDW VAPOR PHASE
JWI 049	A516 Grade 55	8832	28.021	1.3047	58.76	90 C SDW VAPOR PHASE
JWI 050	A516 Grade 55	8832	28.120	1.2473	55.97	90 C SDW AQUEOUS PHASE
JWI 051	A516 Grade 55	8832	28.252	1.4235	63.58	90 C SDW AQUEOUS PHASE
JWI 052	A516 Grade 55	8832	28.285	1.1245	50.17	90 C SDW AQUEOUS PHASE
KWA 037	A27 Grade 70-40	8832	28.143	2.3383	105.38	90 C SDW WATERLINE
KWA 047	A27 Grade 70-40	8832	28.026	0.9801	44.36	90 C SDW VAPOR PHASE
KWA 048	A27 Grade 70-40	8832	28.122	0.6153	27.75	90 C SDW VAPOR PHASE
KWA 049	A27 Grade 70-40	8832	28.214	0.5048	22.69	90 C SDW VAPOR PHASE
KWA 050	A27 Grade 70-40	8832	28.176	1.0395	46.79	90 C SDW AQUEOUS PHASE
KWA 051	A27 Grade 70-40	8832	27.999	1.5213	68.91	90 C SDW AQUEOUS PHASE
KWA 052	A27 Grade 70-40	8832	27.890	1.0273	46.72	90 C SDW AQUEOUS PHASE
KWI 037	A27 Grade 70-40	8832	27.280	2.8428	132.17	90 C SDW WATERLINE
KWI 047	A27 Grade 70-40	8832	28.159	0.8939	40.26	90 C SDW VAPOR PHASE
KWI 048	A27 Grade 70-40	8832	28.077	0.6022	27.20	90 C SDW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 22-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 049	A27 Grade 70-40	8832	28.393	0.6925	30.94	90 C SDW VAPOR PHASE
KWI 050	A27 Grade 70-40	8832	28.158	1.0281	46.31	90 C SDW AQUEOUS PHASE
KWI 051	A27 Grade 70-40	8832	28.396	0.8144	36.38	90 C SDW AQUEOUS PHASE
KWI 052	A27 Grade 70-40	8832	27.931	1.4508	65.88	90 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 21-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
IWA 071	A387 Grade 22	4392	27.260	0.9572	89.10	60 C SCW VAPOR PHASE
IWA 072	A387 Grade 22	4392	28.963	1.5336	134.36	60 C SCW VAPOR PHASE
IWA 073	A387 Grade 22	4392	29.053	1.9986	174.56	60 C SCW VAPOR PHASE
IWA 074	A387 Grade 22	4392	29.069	0.2220	19.38	60 C SCW AQUEOUS PHASE
IWA 075	A387 Grade 22	4392	28.765	0.1779	15.69	60 C SCW AQUEOUS PHASE
IWA 076	A387 Grade 22	4392	28.912	0.2982	26.17	60 C SCW AQUEOUS PHASE
IWA 101	A387 Grade 22	4392	28.805	1.8391	162.02	60 C SCW WATERLINE
IWH 071	A387 Grade 22	4392	29.209	1.2434	108.02	60 C SCW VAPOR PHASE
IWH 072	A387 Grade 22	4392	29.178	1.3570	118.02	60 C SCW VAPOR PHASE
IWH 073	A387 Grade 22	4392	29.194	1.9149	166.45	60 C SCW VAPOR PHASE
IWH 074	A387 Grade 22	4392	29.121	0.3411	29.72	60 C SCW AQUEOUS PHASE
IWH 075	A387 Grade 22	4392	29.260	0.3521	30.54	60 C SCW AQUEOUS PHASE
IWH 076	A387 Grade 22	4392	29.173	0.3025	26.31	60 C SCW AQUEOUS PHASE
IWH 101	A387 Grade 22	4392	29.140	2.0023	174.36	60 C SCW WATERLINE
JWA 071	A516 Grade 55	4392	28.558	2.2380	198.86	60 C SCW VAPOR PHASE
JWA 072	A516 Grade 55	4392	27.265	2.8459	264.87	60 C SCW VAPOR PHASE
JWA 073	A516 Grade 55	4392	27.463	3.1926	295.00	60 C SCW VAPOR PHASE
JWA 074	A516 Grade 55	4392	28.585	0.6150	54.59	60 C SCW AQUEOUS PHASE
JWA 075	A516 Grade 55	4392	28.711	0.6219	54.97	60 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 21-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
JWA 076	A516 Grade 55	4392	28.415	0.5627	50.25	60 C SCW AQUEOUS PHASE
JWA 101	A516 Grade 55	4392	29.649	2.3122	197.90	60 C SCW WATERLINE
JWI 071	A516 Grade 55	4392	28.004	1.7925	162.43	60 C SCW VAPOR PHASE
JWI 072	A516 Grade 55	4392	28.018	1.7055	154.47	60 C SCW VAPOR PHASE
JWI 073	A516 Grade 55	4392	28.018	2.1305	192.96	60 C SCW VAPOR PHASE
JWI 074	A516 Grade 55	4392	27.742	0.7498	68.58	60 C SCW AQUEOUS PHASE
JWI 075	A516 Grade 55	4392	27.897	0.9368	85.21	60 C SCW AQUEOUS PHASE
JWI 076	A516 Grade 55	4392	28.100	1.0138	91.55	60 C SCW AQUEOUS PHASE
JWI 101	A516 Grade 55	4392	27.862	2.5297	230.40	60 C SCW WATERLINE
KWA 071	A27 Grade 70-40	4392	28.134	1.9195	174.02	60 C SCW VAPOR PHASE
KWA 072	A27 Grade 70-40	4392	28.061	2.4878	226.13	60 C SCW VAPOR PHASE
KWA 073	A27 Grade 70-40	4392	28.175	3.9854	360.78	60 C SCW VAPOR PHASE
KWA 074	A27 Grade 70-40	4392	28.402	0.8134	73.05	60 C SCW AQUEOUS PHASE
KWA 075	A27 Grade 70-40	4392	28.360	0.8716	78.39	60 C SCW AQUEOUS PHASE
KWA 076	A27 Grade 70-40	4392	27.828	0.7729	70.84	60 C SCW AQUEOUS PHASE
KWA 101	A27 Grade 70-40	4392	28.223	2.0872	188.62	60 C SCW WATERLINE
KWI 071	A27 Grade 70-40	4392	28.302	1.9898	179.32	60 C SCW VAPOR PHASE
KWI 072	A27 Grade 70-40	4392	27.656	2.2157	204.34	60 C SCW VAPOR PHASE
KWI 073	A27 Grade 70-40	4392	28.161	2.7674	250.65	60 C SCW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 21-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 074	A27 Grade 70-40	4392	28.373	0.5969	53.66	60 C SCW AQUEOUS PHASE
KWI 075	A27 Grade 70-40	4392	27.705	0.6270	57.72	60 C SCW AQUEOUS PHASE
KWI 076	A27 Grade 70-40	4392	28.098	0.6101	55.38	60 C SCW AQUEOUS PHASE
KWI 101	A27 Grade 70-40	4392	27.434	2.5415	236.28	60 C SCW WATERLINE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 21-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
IWA 077	A387 Grade 22	8760	29.060	1.5731	68.87	60 C SCW VAPOR PHASE
IWA 078	A387 Grade 22	8760	28.965	3.1742	139.42	60 C SCW VAPOR PHASE
IWA 079	A387 Grade 22	8760	28.773	4.0826	180.52	60 C SCW VAPOR PHASE
IWA 080	A387 Grade 22	8760	28.754	0.1690	7.48	60 C SCW AQUEOUS PHASE
IWA 081	A387 Grade 22	8760	28.554	0.1672	7.45	60 C SCW AQUEOUS PHASE
IWA 082	A387 Grade 22	8760	27.303	0.1270	5.92	60 C SCW AQUEOUS PHASE
IWA 102	A387 Grade 22	8760	28.713	3.3904	150.23	60 C SCW WATERLINE
IWH 077	A387 Grade 22	8760	29.134	2.8172	123.03	60 C SCW VAPOR PHASE
IWH 078	A387 Grade 22	8760	29.326	3.6720	159.31	60 C SCW VAPOR PHASE
IWH 079	A387 Grade 22	8760	29.119	3.5753	156.21	60 C SCW VAPOR PHASE
IWH 080	A387 Grade 22	8760	27.938	0.1572	7.16	60 C SCW AQUEOUS PHASE
IWH 081	A387 Grade 22	8760	29.456	0.1446	6.25	60 C SCW AQUEOUS PHASE
IWH 082	A387 Grade 22	8760	29.052	0.1588	6.95	60 C SCW AQUEOUS PHASE
IWH 102	A387 Grade 22	8760	28.841	2.7097	119.53	60 C SCW WATERLINE
JWA 077	A516 Grade 55	8760	29.304	3.6173	157.05	60 C SCW VAPOR PHASE
JWA 078	A516 Grade 55	8760	28.516	4.6929	209.38	60 C SCW VAPOR PHASE
JWA 079	A516 Grade 55	8760	28.717	4.8081	213.02	60 C SCW VAPOR PHASE
JWA 080	A516 Grade 55	8760	29.549	0.1842	7.93	60 C SCW AQUEOUS PHASE
JWA 081	A516 Grade 55	8760	28.550	0.2510	11.19	60 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 21-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JWA 082	A516 Grade 55	8760	29.155	0.1841	8.03	60 C SCW AQUEOUS PHASE
JWA 102	A516 Grade 55	8760	28.903	2.9941	131.80	60 C SCW WATERLINE
JWI 077	A516 Grade 55	8760	28.236	4.4491	200.47	60 C SCW VAPOR PHASE
JWI 078	A516 Grade 55	8760	28.039	5.8348	264.75	60 C SCW VAPOR PHASE
JWI 079	A516 Grade 55	8760	28.116	5.7048	258.15	60 C SCW VAPOR PHASE
JWI 080	A516 Grade 55	8760	27.937	0.2074	9.45	60 C SCW AQUEOUS PHASE
JWI 081	A516 Grade 55	8760	28.061	0.2438	11.05	60 C SCW AQUEOUS PHASE
JWI 082	A516 Grade 55	8760	27.753	0.1986	9.10	60 C SCW AQUEOUS PHASE
JWI 102	A516 Grade 55	8760	27.851	2.9865	136.42	60 C SCW WATERLINE
KWA 077	A27 Grade 70-40	8760	27.867	1.6645	76.38	60 C SCW VAPOR PHASE
KWA 078	A27 Grade 70-40	8760	28.008	1.9880	90.77	60 C SCW VAPOR PHASE
KWA 079	A27 Grade 70-40	8760	28.271	2.8218	127.64	60 C SCW VAPOR PHASE
KWA 080	A27 Grade 70-40	8760	28.298	0.2362	10.67	60 C SCW AQUEOUS PHASE
KWA 081	A27 Grade 70-40	8760	27.882	0.2180	10.00	60 C SCW AQUEOUS PHASE
KWA 082	A27 Grade 70-40	8760	27.934	0.1620	7.42	60 C SCW AQUEOUS PHASE
KWA 102	A27 Grade 70-40	8760	28.196	3.9143	177.53	60 C SCW WATERLINE
KWI 077	A27 Grade 70-40	8760	28.532	1.7246	77.30	60 C SCW VAPOR PHASE
KWI 078	A27 Grade 70-40	8760	28.328	1.7060	77.01	60 C SCW VAPOR PHASE
KWI 079	A27 Grade 70-40	8760	28.203	2.1671	98.26	60 C SCW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 21-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 080	A27 Grade 70-40	8760	28.470	0.1801	8.09	60 C SCW AQUEOUS PHASE
KWI 081	A27 Grade 70-40	8760	28.080	0.2266	10.32	60 C SCW AQUEOUS PHASE
KWI 082	A27 Grade 70-40	8760	28.611	0.2424	10.83	60 C SCW AQUEOUS PHASE
KWI 102	A27 Grade 70-40	8760	28.068	4.4400	202.28	60 C SCW WATERLINE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 20-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
IWA 106	A387 Grade 22	4344	29.082	0.6845	60.39	90 C SCW WATERLINE
IWA 111	A387 Grade 22	4344	28.709	1.0126	90.49	90 C SCW VAPOR PHASE
IWA 112	A387 Grade 22	4344	29.008	1.3432	118.80	90 C SCW VAPOR PHASE
IWA 113	A387 Grade 22	4344	29.100	2.0452	180.31	90 C SCW VAPOR PHASE
IWA 114	A387 Grade 22	4344	28.950	0.1481	13.12	90 C SCW AQUEOUS PHASE
IWA 115	A387 Grade 22	4344	28.840	0.1323	11.77	90 C SCW AQUEOUS PHASE
IWA 116	A387 Grade 22	4344	28.746	0.1594	14.23	90 C SCW AQUEOUS PHASE
IWH 106	A387 Grade 22	4344	29.030	1.2430	109.85	90 C SCW WATERLINE
IWH 111	A387 Grade 22	4344	29.123	2.5059	220.76	90 C SCW VAPOR PHASE
IWH 112	A387 Grade 22	4344	28.997	5.0985	451.11	90 C SCW VAPOR PHASE
IWH 113	A387 Grade 22	4344	29.143	0.5900	51.94	90 C SCW VAPOR PHASE
IWH 114	A387 Grade 22	4344	29.289	0.1525	13.36	90 C SCW AQUEOUS PHASE
IWH 115	A387 Grade 22	4344	29.124	0.1673	14.74	90 C SCW AQUEOUS PHASE
IWH 116	A387 Grade 22	4344	29.036	0.1841	16.27	90 C SCW AQUEOUS PHASE
JWA 106	A516 Grade 55	4344	28.737	0.2115	18.88	90 C SCW WATERLINE
JWA 111	A516 Grade 55	4344	29.281	2.7599	241.82	90 C SCW VAPOR PHASE
JWA 112	A516 Grade 55	4344	28.245	3.5412	321.66	90 C SCW VAPOR PHASE
JWA 113	A516 Grade 55	4344	29.188	2.9348	257.97	90 C SCW VAPOR PHASE
JWA 114	A516 Grade 55	4344	29.374	0.1467	12.81	90 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 20-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JWA 115	A516 Grade 55	4344	29.539	0.1598	13.88	90 C SCW AQUEOUS PHASE
JWA 116	A516 Grade 55	4344	28.644	0.1219	10.92	90 C SCW AQUEOUS PHASE
JWI 106	A516 Grade 55	4344	27.932	0.1359	12.48	90 C SCW WATERLINE
JWI 111	A516 Grade 55	4344	28.527	2.6476	238.11	90 C SCW VAPOR PHASE
JWI 112	A516 Grade 55	4344	27.735	2.1105	195.23	90 C SCW VAPOR PHASE
JWI 113	A516 Grade 55	4344	27.902	2.0883	192.02	90 C SCW VAPOR PHASE
JWI 114	A516 Grade 55	4344	28.255	0.2101	19.08	90 C SCW AQUEOUS PHASE
JWI 115	A516 Grade 55	4344	27.951	0.1526	14.01	90 C SCW AQUEOUS PHASE
JWI 116	A516 Grade 55	4344	27.857	0.1759	16.20	90 C SCW AQUEOUS PHASE
KWA 106	A27 Grade 70-40	4344	28.368	1.4599	132.71	90 C SCW WATERLINE
KWA 111	A27 Grade 70-40	4344	28.161	1.8152	166.22	90 C SCW VAPOR PHASE
KWA 112	A27 Grade 70-40	4344	28.287	2.8697	261.61	90 C SCW VAPOR PHASE
KWA 113	A27 Grade 70-40	4344	28.207	2.2235	203.28	90 C SCW VAPOR PHASE
KWA 114	A27 Grade 70-40	4344	28.114	0.1252	11.48	90 C SCW AQUEOUS PHASE
KWA 115	A27 Grade 70-40	4344	28.044	0.1487	13.67	90 C SCW AQUEOUS PHASE
KWA 116	A27 Grade 70-40	4344	27.879	0.0976	9.03	90 C SCW AQUEOUS PHASE
KWI 106	A27 Grade 70-40	4344	27.973	0.6114	56.36	90 C SCW WATERLINE
KWI 111	A27 Grade 70-40	4344	27.749	1.6176	150.33	90 C SCW VAPOR PHASE
KWI 112	A27 Grade 70-40	4344	28.565	2.3328	210.60	90 C SCW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 20-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 113	A27 Grade 70-40	4344	27.301	3.3143	313.05	90 C SCW VAPOR PHASE
KWI 114	A27 Grade 70-40	4344	27.188	0.1775	16.84	90 C SCW AQUEOUS PHASE
KWI 115	A27 Grade 70-40	4344	27.346	0.2339	22.06	90 C SCW AQUEOUS PHASE
KWI 116	A27 Grade 70-40	4344	27.602	0.1933	18.06	90 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 20-2

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
IWA 107	A387 Grade 22	8736	28 840	2.6919	119.08	90 C SCW WATERLINE
IWA 117	A387 Grade 22	8736	28.818	5.6546	250.33	90 C SCW VAPOR PHASE
IWA 118	A387 Grade 22	8736	28.744	8.2820	367.59	90 C SCW VAPOR PHASE
IWA 119	A387 Grade 22	8736	28.883	6.9939	308.92	90 C SCW VAPOR PHASE
IWA 120	A387 Grade 22	8736	28.807	0.1424	6.31	90 C SCW AQUEOUS PHASE
IWA 121	A387 Grade 22	8736	27.461	0.1594	7.41	90 C SCW AQUEOUS PHASE
IWA 122	A387 Grade 22	8736	28.838	0.1769	7.83	90 C SCW AQUEOUS PHASE
IWH 107	A387 Grade 22	8736	28.911	1.7789	78.50	90 C SCW WATERLINE
IWH 117	A387 Grade 22	8736	28.958	5.3066	233.79	90 C SCW VAPOR PHASE
IWH 118	A387 Grade 22	8736	29.164	9.3263	407.97	90 C SCW VAPOR PHASE
IWH 119	A387 Grade 22	8736	29.314	13.9834	608.57	90 C SCW VAPOR PHASE
IWH 120	A387 Grade 22	8736	29.035	0.0718	3.15	90 C SCW AQUEOUS PHASE
IWH 121	A387 Grade 22	8736	29.172	0.0735	3.21	90 C SCW AQUEOUS PHASE
IWH 122	A387 Grade 22	8736	29.043	0.0672	2.95	90 C SCW AQUEOUS PHASE
JWA 107	A516 Grade 55	8736	28.646	1.5234	67.85	90 C SCW WATERLINE
JWA 117	A516 Grade 55	8736	29.593	7.9562	342.99	90 C SCW VAPOR PHASE
JWA 118	A516 Grade 55	8736	28.798	8.2022	363.36	90 C SCW VAPOR PHASE
JWA 120	A516 Grade 55	8736	28.625	0.1562	6.96	90 C SCW AQUEOUS PHASE
JWA 121	A516 Grade 55	8736	28.768	0.1297	5.75	90 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 20-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JWA 122	A516 Grade 55	8736	27.777	0.0803	3.69	90 C SCW AQUEOUS PHASE
JWI 107	A516 Grade 55	8736	28.068	1.0687	48.57	90 C SCW WATERLINE
JWI 117	A516 Grade 55	8736	28.037	7.8826	358.68	90 C SCW VAPOR PHASE
JWI 118	A516 Grade 55	8736	28.247	9.3670	423.06	90 C SCW VAPOR PHASE
JWI 119	A516 Grade 55	8736	27.511	4.1127	190.72	90 C SCW VAPOR PHASE
JWI 120	A516 Grade 55	8736	27.909	0.2045	9.35	90 C SCW AQUEOUS PHASE
JWI 121	A516 Grade 55	8736	27.763	0.1405	6.46	90 C SCW AQUEOUS PHASE
JWI 122	A516 Grade 55	8736	27.980	0.1502	6.85	90 C SCW AQUEOUS PHASE
KWA 107	A27 Grade 70-40	8736	28.159	2.6998	122.94	90 C SCW WATERLINE
KWA 117	A27 Grade 70-40	8736	28.350	4.7050	212.81	90 C SCW VAPOR PHASE
KWA 118	A27 Grade 70-40	8736	28.319	4.2686	193.28	90 C SCW VAPOR PHASE
KWA 119	A27 Grade 70-40	8736	27.934	5.9267	272.06	90 C SCW VAPOR PHASE
KWA 120	A27 Grade 70-40	8736	28.266	0.1435	6.51	90 C SCW AQUEOUS PHASE
KWA 121	A27 Grade 70-40	8736	28.441	0.1582	7.13	90 C SCW AQUEOUS PHASE
KWA 122	A27 Grade 70-40	8736	28.236	0.1171	5.32	90 C SCW AQUEOUS PHASE
KWI 107	A27 Grade 70-40	8736	28.271	1.2315	55.86	90 C SCW WATERLINE
KWI 117	A27 Grade 70-40	8736	28.232	1.7647	80.15	90 C SCW VAPOR PHASE
KWI 118	A27 Grade 70-40	8736	27.786	2.6178	120.81	90 C SCW VAPOR PHASE
KWI 119	A27 Grade 70-40	8736	28.015	3.6868	168.75	90 C SCW VAPOR PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 20-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
KWI 120	A27 Grade 70-40	8736	27.819	0.1330	6.13	90 C SCW AQUEOUS PHASE
KWI 121	A27 Grade 70-40	8736	28.324	0.1305	5.91	90 C SCW AQUEOUS PHASE
KWI 122	A27 Grade 70-40	8736	27.476	0.1756	8.20	90 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 18-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GWA 036	Monel 400	4392	28.017	0.7423	60.05	90 C Waterline SAW
GWA 041	Monel 400	4392	28.755	0.0487	3.84	90 C Vapor Phase SAW
GWA 042	Monel 400	4392	28.733	0.0568	4.48	90 C Vapor Phase SAW
GWA 043	Monel 400	4392	27.942	0.0522	4.23	90 C Vapor Phase SAW
GWA 044	Monel 400	4392	28.667	0.9861	77.96	90 C Aqueous Phase SAW
GWA 045	Monel 400	4392	27.596	1.0208	83.84	90 C Aqueous Phase SAW
GWA 046	Monel 400	4392	28.374	1.0802	86.29	90 C Aqueous Phase SAW
GWF 036	Monel 400	4392	26.947	0.6858	57.68	90 C Waterline SAW
GWF 041	Monel 400	4392	27.643	0.0480	3.94	90 C Vapor Phase SAW
GWF 042	Monel 400	4392	27.490	0.0518	4.27	90 C Vapor Phase SAW
GWF 043	Monel 400	4392	27.695	0.0424	3.47	90 C Vapor Phase SAW
GWF 044	Monel 400	4392	26.870	1.0116	85.33	90 C Aqueous Phase SAW
GWF 045	Monel 400	4392	27.399	1.0926	90.38	90 C Aqueous Phase SAW
GWF 046	Monel 400	4392	27.275	1.1571	96.15	90 C Aqueous Phase SAW
HWA 036	CDA 715	4392	27.788	3.5809	287.50	90 C Waterline SAW
HWA 041	CDA 715	4392	27.795	0.2227	17.88	90 C Vapor Phase SAW
HWA 042	CDA 715	4392	27.643	0.1531	12.36	90 C Vapor Phase SAW
HWA 043	CDA 715	4392	27.723	0.1116	8.98	90 C Vapor Phase SAW
HWA 044	CDA 715	4392	28.262	3.2813	259.03	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 18-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HWA 045	CDA 715	4392	27.981	3.2059	255.62	90 C Aqueous Phase SAW
HWA 046	CDA 715	4392	27.482	3.6026	292.46	90 C Aqueous Phase SAW
HWG 036	CDA 715	4392	26.834	3.3935	282.14	90 C Waterline SAW
HWG 041	CDA 715	4392	26.815	0.1346	11.20	90 C Vapor Phase SAW
HWG 042	CDA 715	4392	26.923	0.1047	8.68	90 C Vapor Phase SAW
HWG 043	CDA 715	4392	26.822	0.0953	7.93	90 C Vapor Phase SAW
HWG 044	CDA 715	4392	26.749	3.4887	290.97	90 C Aqueous Phase SAW
HWG 045	CDA 715	4392	26.907	3.6809	305.21	90 C Aqueous Phase SAW
HWG 046	CDA 715	4392	26.842	3.7686	313.24	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 18-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GWA 037	Monel 400	8760	27.930	0.8876	36.11	90 C Waterline SAW
GWA 047	Monel 400	8760	28.417	0.0491	1.96	90 C Vapor Phase SAW
GWA 048	Monel 400	8760	28.258	0.0504	2.03	90 C Vapor Phase SAW
GWA 049	Monel 400	8760	27.905	0.0580	2.36	90 C Vapor Phase SAW
GWA 050	Monel 400	8760	28.608	1.1329	45.00	90 C Aqueous Phase SAW
GWA 051	Monel 400	8760	27.844	1.1457	46.76	90 C Aqueous Phase SAW
GWA 052	Monel 400	8760	28.658	1.1759	46.63	90 C Aqueous Phase SAW
GWF 037	Monel 400	8760	27.380	0.9459	39.26	90 C Waterline SAW
GWF 047	Monel 400	8760	27.287	0.0560	2.33	90 C Vapor Phase SAW
GWF 048	Monel 400	8760	26.898	0.0460	1.94	90 C Vapor Phase SAW
GWF 049	Monel 400	8760	27.300	0.0526	2.19	90 C Vapor Phase SAW
GWF 050	Monel 400	8760	27.645	1.1954	49.14	90 C Aqueous Phase SAW
GWF 051	Monel 400	8760	27.661	1.2342	50.70	90 C Aqueous Phase SAW
GWF 052	Monel 400	8760	27.268	1.2562	52.35	90 C Aqueous Phase SAW
HWA 037	CDA 715	8760	27.950	6.1186	244.87	90 C Waterline SAW
HWA 047	CDA 715	8760	27.856	0.3061	12.29	90 C Vapor Phase SAW
HWA 048	CDA 715	8760	27.943	0.2586	10.35	90 C Vapor Phase SAW
HWA 049	CDA 715	8760	28.221	0.1936	7.67	90 C Vapor Phase SAW
HWA 050	CDA 715	8760	28.120	4.2182	167.79	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 18-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HWA 051	CDA 715	8760	27.779	6.0110	242.05	90 C Aqueous Phase SAW
HWA 052	CDA 715	8760	27.538	3.8218	155.24	90 C Aqueous Phase SAW
HWG 037	CDA 715	8760	26.767	4.7066	196.68	90 C Waterline SAW
HWG 047	CDA 715	8760	26.890	0.2696	11.21	90 C Vapor Phase SAW
HWG 048	CDA 715	8760	26.606	0.2005	8.43	90 C Vapor Phase SAW
HWG 049	CDA 715	8760	26.350	0.1964	8.34	90 C Vapor Phase SAW
HWG 050	CDA 715	8760	26.781	5.2821	220.62	90 C Aqueous Phase SAW
HWG 051	CDA 715	8760	26.842	5.4112	225.50	90 C Aqueous Phase SAW
HWG 052	CDA 715	8760	26.785	5.4941	229.43	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 19-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GWA 001	Monel 400	4536	28.492	0.0061	0.47	60 C Vapor Phase SAW
GWA 002	Monel 400	4536	28.198	0.0117	0.91	60 C Vapor Phase SAW
GWA 003	Monel 400	4536	28.388	0.0153	1.18	60 C Vapor Phase SAW
GWA 004	Monel 400	4536	28.400	1.4796	114.33	60 C Aqueous Phase SAW
GWA 005	Monel 400	4536	27.931	1.4297	112.33	60 C Aqueous Phase SAW
GWA 006	Monel 400	4536	28.379	1.5462	119.57	60 C Aqueous Phase SAW
GWA 031	Monel 400	4536	27.706	1.0818	85.69	60 C Water Line SAW
GWF 001	Monel 400	4536	27.166	0.0107	0.86	60 C Vapor Phase SAW
GWF 002	Monel 400	4536	27.768	0.0143	1.13	60 C Vapor Phase SAW
GWF 003	Monel 400	4536	27.774	0.0129	1.02	60 C Vapor Phase SAW
GWF 004	Monel 400	4536	27.532	1.4721	117.34	60 C Aqueous Phase SAW
GWF 005	Monel 400	4536	27.486	1.5264	121.87	60 C Aqueous Phase SAW
GWF 006	Monel 400	4536	27.178	1.5832	127.84	60 C Aqueous Phase SAW
GWF 031	Monel 400	4536	27.124	1.0996	88.97	60 C Water Line SAW
HWA 001	CDA 715	4536	27.506	0.0402	3.16	60 C Vapor Phase SAW
HWA 002	CDA 715	4536	27.585	0.0543	4.25	60 C Vapor Phase SAW
HWA 003	CDA 715	4536	28.221	0.0618	4.73	60 C Vapor Phase SAW
HWA 004	CDA 715	4536	27.845	3.2743	254.02	60 C Aqueous Phase SAW
HWA 005	CDA 715	4536	27.870	3.4426	266.83	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 19-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HWA 006	CDA 715	4536	27.914	3.7590	290.90	60 C Aqueous Phase SAW
HWA 031	CDA 715	4536	27.476	4.7230	371.32	60 C Water Line SAW
HWG 001	CDA 715	4536	26.810	0.0435	3.50	60 C Vapor Phase SAW
HWG 002	CDA 715	4536	26.888	0.0484	3.89	60 C Vapor Phase SAW
HWG 003	CDA 715	4536	26.884	0.0660	5.30	60 C Vapor Phase SAW
HWG 004	CDA 715	4536	26.743	2.5337	204.66	60 C Aqueous Phase SAW
HWG 005	CDA 715	4536	26.661	2.7715	224.56	60 C Aqueous Phase SAW
HWG 006	CDA 715	4536	26.533	3.1442	255.99	60 C Aqueous Phase SAW
HWG 031	CDA 715	4536	26.826	5.3929	434.28	60 C Water Line SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 19-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GWA 007	Monel 400	8760	28.042	0.0110	0.45	60 C Vapor Phase SAW
GWA 008	Monel 400	8760	27.977	0.0119	0.48	60 C Vapor Phase SAW
GWA 009	Monel 400	8760	28.431	0.0108	0.43	60 C Vapor Phase SAW
GWA 010	Monel 400	8760	28.531	1.6761	66.76	60 C Aqueous Phase SAW
GWA 011	Monel 400	8760	28.506	1.6655	66.39	60 C Aqueous Phase SAW
GWA 012	Monel 400	8760	27.989	1.6915	68.68	60 C Aqueous Phase SAW
GWA 032	Monel 400	8760	27.750	1.3017	53.30	60 C Water Line SAW
GWF 007	Monel 400	8760	27.286	0.0185	0.77	60 C Vapor Phase SAW
GWF 008	Monel 400	8760	27.800	0.0337	1.38	60 C Vapor Phase SAW
GWF 009	Monel 400	8760	27.765	0.0319	1.31	60 C Vapor Phase SAW
GWF 010	Monel 400	8760	27.852	1.5732	64.19	60 C Aqueous Phase SAW
GWF 011	Monel 400	8760	27.381	1.5294	63.47	60 C Aqueous Phase SAW
GWF 012	Monel 400	8760	27.162	1.5600	65.26	60 C Aqueous Phase SAW
GWF 032	Monel 400	8760	27.968	1.3393	54.42	60 C Water Line SAW
HWA 007	CDA 715	8760	27.707	0.0814	3.29	60 C Vapor Phase SAW
HWA 008	CDA 715	8760	27.800	0.0895	3.60	60 C Vapor Phase SAW
HWA 009	CDA 715	8760	27.773	0.0993	4.00	60 C Vapor Phase SAW
HWA 010	CDA 715	8760	27.990	3.3825	135.18	60 C Aqueous Phase SAW
HWA 011	CDA 715	8760	27.332	3.3421	136.77	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 19-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HWA 012	CDA 715	8760	27.574	3.5737	144.97	60 C Aqueous Phase SAW
HWA 032	CDA 715	8760	27.652	5.4566	220.73	60 C Water Line SAW
HWG 007	CDA 715	8760	26.725	0.0562	2.35	60 C Vapor Phase SAW
HWG 008	CDA 715	8760	26.743	0.0939	3.93	60 C Vapor Phase SAW
HWG 009	CDA 715	8760	26.805	0.1004	4.19	60 C Vapor Phase SAW
HWG 010	CDA 715	8760	26.563	2.6060	109.74	60 C Aqueous Phase SAW
HWG 011	CDA 715	8760	26.830	2.7953	116.54	60 C Aqueous Phase SAW
HWG 012	CDA 715	8760	26.733	3.0622	128.13	60 C Aqueous Phase SAW
HWG 032	CDA 715	8760	26.890	5.0582	210.41	60 C Water Line SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
AWA 001	1825	4296	28.303	-0.0005	-0.04	60 C Vapor Phase SAW
AWA 002	1825	4296	28.375	0.0000	0.00	60 C Vapor Phase SAW
AWA 003	1825	4296	28.342	0.0003	0.03	60 C Vapor Phase SAW
AWA 004	1825	4296	28.264	-0.0002	-0.02	60 C Aqueous Phase SAW
AWA 005	1825	4296	28.212	-0.0003	-0.03	60 C Aqueous Phase SAW
AWA 006	1825	4296	27.812	0.0015	0.14	60 C Aqueous Phase SAW
AWA 031	1825	4296	28.153	-0.0002	-0.02	60 C Water Line SAW
AWB 001	1825	4296	27.736	-0.0004	-0.04	60 C Vapor Phase SAW
AWB 002	1825	4296	26.746	0.0010	0.09	60 C Vapor Phase SAW
AWB 003	1825	4296	27.529	0.0004	0.04	60 C Vapor Phase SAW
AWB 004	1825	4296	27.560	-0.0003	-0.03	60 C Aqueous Phase SAW
AWB 005	1825	4296	27.533	0.0001	0.01	60 C Aqueous Phase SAW
AWB 006	1825	4296	27.539	-0.0011	-0.10	60 C Aqueous Phase SAW
AWB 031	1825	4296	27.565	-0.0006	-0.05	60 C Water Line SAW
BWA 001	G3	4296	28.307	-0.0003	-0.03	60 C Vapor Phase SAW
BWA 002	G3	4296	28.325	-0.0006	-0.05	60 C Vapor Phase SAW
BWA 003	G3	4296	28.545	-0.0002	-0.02	60 C Vapor Phase SAW
BWA 004	G3	4296	28.738	-0.0007	-0.06	60 C Aqueous Phase SAW
BWA 005	G3	4296	28.257	-0.0001	-0.01	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BWA 006	G3	4296	28.448	-0.0023	-0.20	60 C Aqueous Phase SAW
BWA 031	G3	4296	28.547	-0.0004	-0.03	60 C Water Line SAW
BWC 001	G3	4296	28.347	-0.0004	-0.03	60 C Vapor Phase SAW
BWC 002	G3	4296	27.942	0.0000	0.00	60 C Vapor Phase SAW
BWC 003	G3	4296	28.262	-0.0005	-0.04	60 C Vapor Phase SAW
BWC 004	G3	4296	28.154	-0.0005	-0.04	60 C Aqueous Phase SAW
BWC 005	G3	4296	27.945	-0.0002	-0.02	60 C Aqueous Phase SAW
BWC 006	G3	4296	28.293	-0.0002	-0.02	60 C Aqueous Phase SAW
BWC 031	G3	4296	28.296	-0.0002	-0.02	60 C Water Line SAW
CWA 001	C4	4296	28.012	0.0002	0.02	60 C Vapor Phase SAW
CWA 002	C4	4296	27.868	0.0000	0.00	60 C Vapor Phase SAW
CWA 003	C4	4296	27.964	0.0001	0.01	60 C Vapor Phase SAW
CWA 004	C4	4296	27.812	0.0005	0.04	60 C Aqueous Phase SAW
CWA 005	C4	4296	27.819	0.0004	0.03	60 C Aqueous Phase SAW
CWA 006	C4	4296	28.082	0.0005	0.04	60 C Aqueous Phase SAW
CWA 031	C4	4296	28.337	0.0002	0.02	60 C Water Line SAW
CWB 001	C4	4296	27.780	0.0001	0.01	60 C Vapor Phase SAW
CWB 002	C4	4296	27.118	0.0001	0.01	60 C Vapor Phase SAW
CWB 003	C4	4296	27.445	0.0007	0.06	60 C Vapor Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
CWB 004	C4	4296	28.020	-0.0001	-0.01	60 C Aqueous Phase SAW
CWB 005	C4	4296	27.769	0.0006	0.05	60 C Aqueous Phase SAW
CWB 006	C4	4296	27.727	-0.0003	-0.03	60 C Aqueous Phase SAW
CWB 031	C4	4296	27.695	-0.0003	-0.03	60 C Water Line SAW
DWA 001	C22	4296	28.168	0.0003	0.03	60 C Vapor Phase SAW
DWA 002	C22	4296	28.149	-0.0006	-0.05	60 C Vapor Phase SAW
DWA 003	C22	4296	28.040	0.0006	0.05	60 C Vapor Phase SAW
DWA 004	C22	4296	28.019	-0.0007	-0.06	60 C Aqueous Phase SAW
DWA 005	C22	4296	28.027	-0.0004	-0.03	60 C Aqueous Phase SAW
DWA 006	C22	4296	28.222	-0.0003	-0.03	60 C Aqueous Phase SAW
DWA 031	C22	4296	27.775	-0.0004	-0.03	60 C Water Line SAW
DWB 001	C22	4296	27.388	0.0013	0.11	60 C Vapor Phase SAW
DWB 002	C22	4296	27.443	0.0019	0.16	60 C Vapor Phase SAW
DWB 003	C22	4296	27.536	0.0007	0.06	60 C Vapor Phase SAW
DWB 004	C22	4296	27.490	0.0000	0.00	60 C Aqueous Phase SAW
DWB 005	C22	4296	27.462	0.0004	0.03	60 C Aqueous Phase SAW
DWB 006	C22	4296	27.322	0.0004	0.03	60 C Aqueous Phase SAW
DWB 031	C22	4296	27.605	-0.0004	-0.03	60 C Water Line SAW
EWA 001	Ti Grade 12	4296	28.243	0.0308	5.02	60 C Vapor Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
EWA 002	Ti Grade 12	4296	28.928	0.0310	4.93	60 C Vapor Phase SAW
EWA 003	Ti Grade 12	4296	28.644	0.0278	4.47	60 C Vapor Phase SAW
EWA 004	Ti Grade 12	4296	28.295	0.0230	3.74	60 C Aqueous Phase SAW
EWA 005	Ti Grade 12	4296	28.719	0.0254	4.07	60 C Aqueous Phase SAW
EWA 006	Ti Grade 12	4296	28.559	0.0230	3.71	60 C Aqueous Phase SAW
EWA 031	Ti Grade 12	4296	28.310	0.0303	4.93	60 C Water Line SAW
EWD 001	Ti Grade 12	4296	28.964	0.0688	10.93	60 C Vapor Phase SAW
EWD 002	Ti Grade 12	4296	29.026	0.1822	28.89	60 C Vapor Phase SAW
EWD 003	Ti Grade 12	4296	29.050	0.0433	6.86	60 C Vapor Phase SAW
EWD 004	Ti Grade 12	4296	29.191	0.0123	1.94	60 C Aqueous Phase SAW
EWD 005	Ti Grade 12	4296	28.990	0.0369	5.86	60 C Aqueous Phase SAW
EWD 006	Ti Grade 12	4296	29.222	0.0384	6.05	60 C Aqueous Phase SAW
EWD 031	Ti Grade 12	4296	29.249	0.1630	25.65	60 C Water Line SAW
FWA 001	Ti Grade 16	4296	27.272	0.0188	3.11	60 C Vapor Phase SAW
FWA 002	Ti Grade 16	4296	27.457	0.0222	3.65	60 C Vapor Phase SAW
FWA 003	Ti Grade 16	4296	27.349	0.0259	4.27	60 C Vapor Phase SAW
FWA 004	Ti Grade 16	4296	27.679	-0.0001	-0.02	60 C Aqueous Phase SAW
FWA 005	Ti Grade 16	4296	27.246	0.0000	0.00	60 C Aqueous Phase SAW
FWA 006	Ti Grade 16	4296	27.358	-0.0002	-0.03	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
FWA 031	Ti Grade 16	4296	27.684	0.0001	0.02	60 C Water Line SAW
FWE 001	Ti Grade 16	4296	27.419	0.0362	5.96	60 C Vapor Phase SAW
FWE 002	Ti Grade 16	4296	27.624	0.0425	6.94	60 C Vapor Phase SAW
FWE 003	Ti Grade 16	4296	28.128	0.0322	5.16	60 C Vapor Phase SAW
FWE 004	Ti Grade 16	4296	28.100	0.0110	1.77	60 C Aqueous Phase SAW
FWE 005	Ti Grade 16	4296	27.928	0.0099	1.60	60 C Aqueous Phase SAW
FWE 006	Ti Grade 16	4296	28.013	0.0128	2.06	60 C Aqueous Phase SAW
FWE 031	Ti Grade 16	4296	27.839	0.0008	0.13	60 C Water Line SAW
LWA 001	Inconel 625	4296	28.217	-0.0004	-0.03	60 C Vapor Phase SAW
LWA 002	Inconel 625	4296	28.258	-0.0002	-0.02	60 C Vapor Phase SAW
LWA 003	Inconel 625	4296	28.143	-0.0005	-0.04	60 C Vapor Phase SAW
LWA 004	Inconel 625	4296	28.291	-0.0016	-0.14	60 C Aqueous Phase SAW
LWA 005	Inconel 625	4296	28.232	-0.0017	-0.15	60 C Aqueous Phase SAW
LWA 006	Inconel 625	4296	28.180	-0.0018	-0.15	60 C Aqueous Phase SAW
LWA 031	Inconel 625	4296	28.318	-0.0005	-0.04	60 C Water Line SAW
LWJ 001	Inconel 625	4296	27.597	-0.0004	-0.04	60 C Vapor Phase SAW
LWJ 002	Inconel 625	4296	27.705	-0.0012	-0.10	60 C Vapor Phase SAW
LWJ 003	Inconel 625	4296	27.722	0.0000	0.00	60 C Vapor Phase SAW
LWJ 004	Inconel 625	4296	27.735	-0.0001	-0.01	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWJ 005	Inconel 625	4296	27.679	0.0004	0.03	60 C Aqueous Phase SAW
LWJ 006	Inconel 625	4296	27.714	-0.0004	-0.03	60 C Aqueous Phase SAW
LWJ 031	Inconel 625	4296	27.618	-0.0004	-0.03	60 C Water Line SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DWA 007	C22	8376	28.302	0.0004	0.02	60 C Vapor Phase SAW
DWA 008	C22	8376	28.121	0.0003	0.01	60 C Vapor Phase SAW
DWA 009	C22	8376	28.157	0.0006	0.03	60 C Vapor Phase SAW
DWA 010	C22	8376	27.990	0.0001	0.00	60 C Aqueous Phase SAW
DWA 011	C22	8376	28.253	0.0004	0.02	60 C Aqueous Phase SAW
DWA 012	C22	8376	28.041	0.0005	0.02	60 C Aqueous Phase SAW
DWA 032	C22	8376	28.103	0.0003	0.01	60 C Water Line SAW
DWB 007	C22	8376	27.503	0.0004	0.02	60 C Vapor Phase SAW
DWB 008	C22	8376	27.316	0.0003	0.01	60 C Vapor Phase SAW
DWB 009	C22	8376	27.466	0.0000	0.00	60 C Vapor Phase SAW
DWB 010	C22	8376	27.337	-0.0003	-0.01	60 C Aqueous Phase SAW
DWB 011	C22	8376	27.223	-0.0002	-0.01	60 C Aqueous Phase SAW
DWB 012	C22	8376	27.312	-0.0001	0.00	60 C Aqueous Phase SAW
DWB 032	C22	8376	27.597	0.0002	0.01	60 C Water Line SAW
LWA 007	Inconel 625	8376	28.245	0.0000	0.00	60 C Vapor Phase SAW
LWA 008	Inconel 625	8376	28.267	-0.0004	-0.02	60 C Vapor Phase SAW
LWA 009	Inconel 625	8376	28.274	-0.0002	-0.01	60 C Vapor Phase SAW
LWA 010	Inconel 625	8376	28.165	-0.0004	-0.02	60 C Aqueous Phase SAW
LWA 011	Inconel 625	8376	28.206	-0.0004	-0.02	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 25-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWA 012	Inconel 625	8376	28.196	-0.0006	-0.03	60 C Aqueous Phase SAW
LWA 032	Inconel 625	8376	28.374	-0.0001	0.00	60 C Water Line SAW
LWJ 007	Inconel 625	8376	27.788	0.0000	0.00	60 C Vapor Phase SAW
LWJ 008	Inconel 625	8376	27.700	0.0000	0.00	60 C Vapor Phase SAW
LWJ 009	Inconel 625	8376	27.773	-0.0001	0.00	60 C Vapor Phase SAW
LWJ 010	Inconel 625	8376	27.620	0.0001	0.00	60 C Aqueous Phase SAW
LWJ 011	Inconel 625	8376	27.759	0.0002	0.01	60 C Aqueous Phase SAW
LWJ 012	Inconel 625	8376	27.738	-0.0002	-0.01	60 C Aqueous Phase SAW
LWJ 032	Inconel 625	8376	27.536	-0.0002	-0.01	60 C Water Line SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
AWA 036	I825	4344	27.942	0.0005	0.04	90 C Water Line SAW
AWA 041	I825	4344	28.294	0.0011	0.10	90 C Vapor Phase SAW
AWA 042	I825	4344	28.243	0.0016	0.14	90 C Vapor Phase SAW
AWA 043	I825	4344	28.118	0.0008	0.07	90 C Vapor Phase SAW
AWA 044	I825	4344	28.440	0.0019	0.17	90 C Aqueous Phase SAW
AWA 045	I825	4344	28.038	0.0013	0.11	90 C Aqueous Phase SAW
AWA 046	I825	4344	28.353	0.0018	0.16	90 C Aqueous Phase SAW
AWB 036	I825	4344	27.453	0.0006	0.05	90 C Water Line SAW
AWB 041	I825	4344	27.828	0.0009	0.08	90 C Vapor Phase SAW
AWB 042	I825	4344	27.683	0.0006	0.05	90 C Vapor Phase SAW
AWB 043	I825	4344	27.494	0.0007	0.06	90 C Vapor Phase SAW
AWB 044	I825	4344	27.477	0.0055	0.50	90 C Aqueous Phase SAW
AWB 045	I825	4344	27.721	0.0016	0.14	90 C Aqueous Phase SAW
AWB 046	I825	4344	27.638	0.0040	0.36	90 C Aqueous Phase SAW
BWA 036	G3	4344	28.607	0.0002	0.02	90 C Water Line SAW
BWA 041	G3	4344	28.764	0.0000	0.00	90 C Vapor Phase SAW
BWA 042	G3	4344	28.313	0.0003	0.03	90 C Vapor Phase SAW
BWA 043	G3	4344	28.351	0.0000	0.00	90 C Vapor Phase SAW
BWA 044	G3	4344	28.605	-0.0004	-0.03	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BWA 045	G3	4344	28.409	0.0000	0.00	90 C Aqueous Phase SAW
BWA 046	G3	4344	28.475	-0.0003	-0.03	90 C Aqueous Phase SAW
BWC 036	G3	4344	28.341	0.0009	0.08	90 C Water Line SAW
BWC 041	G3	4344	28.249	0.0008	0.07	90 C Vapor Phase SAW
BWC 042	G3	4344	28.302	0.0003	0.03	90 C Vapor Phase SAW
BWC 043	G3	4344	27.851	0.0003	0.03	90 C Vapor Phase SAW
BWC 044	G3	4344	28.321	-0.0005	-0.04	90 C Aqueous Phase SAW
BWC 045	G3	4344	28.312	0.0011	0.09	90 C Aqueous Phase SAW
BWC 046	G3	4344	28.327	-0.0001	-0.01	90 C Aqueous Phase SAW
CWA 036	C4	4344	27.812	0.0004	0.03	90 C Water Line SAW
CWA 041	C4	4344	28.001	-0.0001	-0.01	90 C Vapor Phase SAW
CWA 042	C4	4344	27.863	0.0008	0.07	90 C Vapor Phase SAW
CWA 043	C4	4344	27.938	0.0004	0.03	90 C Vapor Phase SAW
CWA 044	C4	4344	27.982	0.0006	0.05	90 C Aqueous Phase SAW
CWA 045	C4	4344	28.203	0.0008	0.07	90 C Aqueous Phase SAW
CWA 046	C4	4344	28.066	0.0007	0.06	90 C Aqueous Phase SAW
CWB 036	C4	4344	26.918	0.0010	0.09	90 C Water Line SAW
CWB 041	C4	4344	27.638	0.0006	0.05	90 C Vapor Phase SAW
CWB 042	C4	4344	27.851	0.0006	0.05	90 C Vapor Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
CWB 043	C4	4344	27.153	0.0008	0.07	90 C Vapor Phase SAW
CWB 044	C4	4344	27.773	0.0004	0.03	90 C Aqueous Phase SAW
CWB 045	C4	4344	27.763	0.0002	0.02	90 C Aqueous Phase SAW
CWB 046	C4	4344	27.896	0.0002	0.02	90 C Aqueous Phase SAW
DWA 036	C22	4344	27.887	0.0002	0.02	90 C Water Line SAW
DWA 041	C22	4344	28.137	0.0000	0.00	90 C Vapor Phase SAW
DWA 042	C22	4344	28.111	0.0006	0.05	90 C Vapor Phase SAW
DWA 043	C22	4344	28.085	0.0010	0.08	90 C Vapor Phase SAW
DWA 044	C22	4344	28.110	-0.0004	-0.03	90 C Aqueous Phase SAW
DWA 045	C22	4344	28.074	-0.0005	-0.04	90 C Aqueous Phase SAW
DWA 046	C22	4344	28.085	0.0001	0.01	90 C Aqueous Phase SAW
DWB 036	C22	4344	27.547	0.0001	0.01	90 C Water Line SAW
DWB 041	C22	4344	27.366	0.0005	0.04	90 C Vapor Phase SAW
DWB 042	C22	4344	27.132	0.0014	0.12	90 C Vapor Phase SAW
DWB 043	C22	4344	27.639	0.0002	0.02	90 C Vapor Phase SAW
DWB 044	C22	4344	27.347	-0.0001	-0.01	90 C Aqueous Phase SAW
DWB 045	C22	4344	27.120	-0.0001	-0.01	90 C Aqueous Phase SAW
DWB 046	C22	4344	26.866	-0.0002	-0.02	90 C Aqueous Phase SAW
EWA 036	Ti Grade 12	4344	27.841	0.0158	2.58	90 C Water Line SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
EWA 041	Ti Grade 12	4344	28.050	0.0551	8.94	90 C Vapor Phase SAW
EWA 042	Ti Grade 12	4344	28.398	0.0212	3.40	90 C Vapor Phase SAW
EWA 043	Ti Grade 12	4344	28.609	0.0550	8.75	90 C Vapor Phase SAW
EWA 044	Ti Grade 12	4344	28.762	0.0270	4.27	90 C Aqueous Phase SAW
EWA 045	Ti Grade 12	4344	29.079	0.0357	5.59	90 C Aqueous Phase SAW
EWA 046	Ti Grade 12	4344	28.432	0.0150	2.40	90 C Aqueous Phase SAW
EWD 036	Ti Grade 12	4344	29.093	0.0192	3.00	90 C Water Line SAW
EWD 041	Ti Grade 12	4344	29.240	0.0211	3.28	90 C Vapor Phase SAW
EWD 042	Ti Grade 12	4344	29.158	0.0678	10.58	90 C Vapor Phase SAW
EWD 043	Ti Grade 12	4344	29.218	0.0468	7.29	90 C Vapor Phase SAW
EWD 044	Ti Grade 12	4344	29.226	0.0237	3.69	90 C Aqueous Phase SAW
EWD 045	Ti Grade 12	4344	29.217	0.0178	2.77	90 C Aqueous Phase SAW
EWD 046	Ti Grade 12	4344	29.099	0.0240	3.75	90 C Aqueous Phase SAW
FWA 036	Ti Grade 16	4344	27.651	0.0166	2.68	90 C Water Line SAW
FWA 041	Ti Grade 16	4344	27.583	0.0198	3.20	90 C Vapor Phase SAW
FWA 042	Ti Grade 16	4344	27.501	0.0187	3.03	90 C Vapor Phase SAW
FWA 043	Ti Grade 16	4344	27.616	0.0223	3.60	90 C Vapor Phase SAW
FWA 044	Ti Grade 16	4344	27.485	0.0143	2.32	90 C Aqueous Phase SAW
FWA 045	Ti Grade 16	4344	27.470	0.0148	2.40	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
FWA 046	Ti Grade 16	4344	27.585	0.0127	2.05	90 C Aqueous Phase SAW
FWE 036	Ti Grade 16	4344	28.059	0.0181	2.88	90 C Water Line SAW
FWE 041	Ti Grade 16	4344	27.888	0.0212	3.39	90 C Vapor Phase SAW
FWE 042	Ti Grade 16	4344	27.736	0.0331	5.32	90 C Vapor Phase SAW
FWE 043	Ti Grade 16	4344	27.988	0.0204	3.25	90 C Vapor Phase SAW
FWE 045	Ti Grade 16	4344	28.007	0.0110	1.75	90 C Aqueous Phase SAW
FWE 046	Ti Grade 16	4344	27.785	0.0111	1.78	90 C Aqueous Phase SAW
LWA 036	Inconel 625	4344	27.813	0.0004	0.03	90 C Water Line SAW
LWA 041	Inconel 625	4344	28.317	0.0002	0.02	90 C Vapor Phase SAW
LWA 042	Inconel 625	4344	28.433	0.0001	0.01	90 C Vapor Phase SAW
LWA 043	Inconel 625	4344	28.371	0.0005	0.04	90 C Vapor Phase SAW
LWA 044	Inconel 625	4344	28.301	-0.0004	-0.03	90 C Aqueous Phase SAW
LWA 045	Inconel 625	4344	28.237	-0.0010	-0.08	90 C Aqueous Phase SAW
LWA 046	Inconel 625	4344	28.201	-0.0006	-0.05	90 C Aqueous Phase SAW
LWJ 036	Inconel 625	4344	27.583	0.0002	0.02	90 C Water Line SAW
LWJ 041	Inconel 625	4344	27.468	0.0001	0.01	90 C Vapor Phase SAW
LWJ 042	Inconel 625	4344	27.657	0.0001	0.01	90 C Vapor Phase SAW
LWJ 043	Inconel 625	4344	27.767	0.0012	0.10	90 C Vapor Phase SAW
LWJ 044	Inconel 625	4344	27.683	0.0011	0.09	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWJ 045	Inconel 625	4344	27.785	-0.0005	-0.04	90 C Aqueous Phase SAW
LWJ 046	Inconel 625	4344	27.672	0.0001	0.01	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
AWA 071	1825	4392	28.340	-0.0001	-0.01	60 C Vapor Phase SCW
AWA 072	1825	4392	28.131	0.0004	0.03	60 C Vapor Phase SCW
AWA 073	1825	4392	28.300	0.0003	0.03	60 C Vapor Phase SCW
AWA 074	1825	4392	28.162	0.0007	0.06	60 C Aqueous Phase SCW
AWA 075	1825	4392	28.179	0.0006	0.05	60 C Aqueous Phase SCW
AWA 076	1825	4392	28.198	0.0006	0.05	60 C Aqueous Phase SCW
AWA 101	1825	4392	28.141	0.0006	0.05	60 C Water Line SCW
AWB 071	1825	4392	27.628	0.0002	0.02	60 C Vapor Phase SCW
AWB 072	1825	4392	27.828	0.0010	0.09	60 C Vapor Phase SCW
AWB 073	1825	4392	27.750	0.0005	0.04	60 C Vapor Phase SCW
AWB 074	1825	4392	27.896	0.0003	0.03	60 C Aqueous Phase SCW
AWB 075	1825	4392	27.373	0.0007	0.06	60 C Aqueous Phase SCW
AWB 076	1825	4392	27.255	0.0001	0.01	60 C Aqueous Phase SCW
AWB 101	1825	4392	27.545	0.0007	0.06	60 C Water Line SCW
BWA 071	G3	4392	28.560	0.0001	0.01	60 C Vapor Phase SCW
BWA 072	G3	4392	28.548	0.0006	0.05	60 C Vapor Phase SCW
BWA 073	G3	4392	28.445	0.0002	0.02	60 C Vapor Phase SCW
BWA 074	G3	4392	28.696	0.0003	0.03	60 C Aqueous Phase SCW
BWA 075	G3	4392	28.718	0.0008	0.07	60 C Aqueous Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BWA 076	G3	4392	28.782	0.0002	0.02	60 C Aqueous Phase SCW
BWA 101	G3	4392	28.415	0.0005	0.04	60 C Water Line SCW
BWC 071	G3	4392	28.315	0.0005	0.04	60 C Vapor Phase SCW
BWC 072	G3	4392	27.887	0.0001	0.01	60 C Vapor Phase SCW
BWC 073	G3	4392	28.265	0.0021	0.18	60 C Vapor Phase SCW
BWC 074	G3	4392	28.410	0.0006	0.05	60 C Aqueous Phase SCW
BWC 075	G3	4392	28.510	0.0000	0.00	60 C Aqueous Phase SCW
BWC 076	G3	4392	28.281	0.0002	0.02	60 C Aqueous Phase SCW
BWC 101	G3	4392	27.685	0.0005	0.04	60 C Water Line SCW
CWA 071	C4	4392	27.830	0.0005	0.04	60 C Vapor Phase SCW
CWA 072	C4	4392	28.400	0.0002	0.02	60 C Vapor Phase SCW
CWA 073	C4	4392	27.620	0.0007	0.06	60 C Vapor Phase SCW
CWA 074	C4	4392	28.069	0.0008	0.07	60 C Aqueous Phase SCW
CWA 075	C4	4392	27.723	0.0011	0.09	60 C Aqueous Phase SCW
CWA 076	C4	4392	28.230	0.0008	0.07	60 C Aqueous Phase SCW
CWA 101	C4	4392	28.325	0.0005	0.04	60 C Water Line SCW
CWB 071	C4	4392	28.070	0.0005	0.04	60 C Vapor Phase SCW
CWB 072	C4	4392	27.835	0.0010	0.08	60 C Vapor Phase SCW
CWB 073	C4	4392	27.847	0.0007	0.06	60 C Vapor Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
CWB 074	C4	4392	27.829	0.0007	0.06	60 C Aqueous Phase SCW
CWB 075	C4	4392	27.675	0.0010	0.08	60 C Aqueous Phase SCW
CWB 076	C4	4392	27.351	0.0014	0.12	60 C Aqueous Phase SCW
CWB 101	C4	4392	27.444	0.0012	0.10	60 C Water Line SCW
DWA 071	C22	4392	28.197	0.0003	0.02	60 C Vapor Phase SCW
DWA 072	C22	4392	28.183	0.0004	0.03	60 C Vapor Phase SCW
DWA 073	C22	4392	28.055	0.0010	0.08	60 C Vapor Phase SCW
DWA 074	C22	4392	28.119	0.0011	0.09	60 C Aqueous Phase SCW
DWA 075	C22	4392	28.136	0.0009	0.07	60 C Aqueous Phase SCW
DWA 076	C22	4392	28.291	0.0005	0.04	60 C Aqueous Phase SCW
DWA 101	C22	4392	28.366	0.0006	0.05	60 C Water Line SCW
DWB 071	C22	4392	27.472	0.0003	0.03	60 C Vapor Phase SCW
DWB 072	C22	4392	27.611	0.0003	0.03	60 C Vapor Phase SCW
DWB 073	C22	4392	27.479	0.0004	0.03	60 C Vapor Phase SCW
DWB 074	C22	4392	27.441	0.0005	0.04	60 C Aqueous Phase SCW
DWB 075	C22	4392	27.568	0.0004	0.03	60 C Aqueous Phase SCW
DWB 076	C22	4392	27.434	0.0008	0.07	60 C Aqueous Phase SCW
DWB 101	C22	4392	27.460	0.0008	0.07	60 C Water Line SCW
EWA 071	Ti Grade 12	4392	28.320	0.0404	6.42	60 C Vapor Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
EWA 072	Ti Grade 12	4392	28.507	0.0527	8.32	60 C Vapor Phase SCW
EWA 073	Ti Grade 12	4392	28.598	0.0539	8.49	60 C Vapor Phase SCW
EWA 074	Ti Grade 12	4392	28.144	0.0532	8.51	60 C Aqueous Phase SCW
EWA 075	Ti Grade 12	4392	28.498	0.0440	6.95	60 C Aqueous Phase SCW
EWA 076	Ti Grade 12	4392	28.628	0.0470	7.39	60 C Aqueous Phase SCW
EWA 101	Ti Grade 12	4392	29.065	0.0491	7.61	60 C Water Line SCW
EWD 071	Ti Grade 12	4392	28.951	0.0434	6.75	60 C Vapor Phase SCW
EWD 072	Ti Grade 12	4392	29.134	0.0370	5.72	60 C Vapor Phase SCW
EWD 073	Ti Grade 12	4392	29.187	0.0428	6.60	60 C Vapor Phase SCW
EWD 074	Ti Grade 12	4392	29.085	0.0325	5.03	60 C Aqueous Phase SCW
EWD 075	Ti Grade 12	4392	29.123	0.0489	7.56	60 C Aqueous Phase SCW
EWD 076	Ti Grade 12	4392	28.972	0.0371	5.77	60 C Aqueous Phase SCW
EWD 101	Ti Grade 12	4392	29.117	0.0445	6.88	60 C Water Line SCW
FWA 071	Ti Grade 16	4392	27.701	0.0177	2.82	60 C Vapor Phase SCW
FWA 072	Ti Grade 16	4392	27.373	0.0310	5.00	60 C Vapor Phase SCW
FWA 073	Ti Grade 16	4392	27.510	0.0196	3.14	60 C Vapor Phase SCW
FWA 074	Ti Grade 16	4392	27.770	0.0214	3.40	60 C Aqueous Phase SCW
FWA 075	Ti Grade 16	4392	27.678	0.0147	2.34	60 C Aqueous Phase SCW
FWA 076	Ti Grade 16	4392	26.735	0.0181	2.99	60 C Aqueous Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
FWA 101	Ti Grade 16	4392	27.760	0.0238	3.78	60 C Water Line SCW
FWE 071	Ti Grade 16	4392	27.726	0.0201	3.20	60 C Vapor Phase SCW
FWE 072	Ti Grade 16	4392	27.908	0.0216	3.42	60 C Vapor Phase SCW
FWE 073	Ti Grade 16	4392	27.659	0.0311	4.96	60 C Vapor Phase SCW
FWE 074	Ti Grade 16	4392	28.150	0.0240	3.76	60 C Aqueous Phase SCW
FWE 075	Ti Grade 16	4392	27.989	0.0214	3.37	60 C Aqueous Phase SCW
FWE 076	Ti Grade 16	4392	27.510	0.0187	3.00	60 C Aqueous Phase SCW
FWE 101	Ti Grade 16	4392	27.721	0.0299	4.76	60 C Water Line SCW
LWA 071	Inconel 625	4392	28.266	0.0011	0.09	60 C Vapor Phase SCW
LWA 072	Inconel 625	4392	28.240	0.0008	0.07	60 C Vapor Phase SCW
LWA 073	Inconel 625	4392	28.250	0.0010	0.08	60 C Vapor Phase SCW
LWA 074	Inconel 625	4392	28.259	0.0009	0.08	60 C Aqueous Phase SCW
LWA 075	Inconel 625	4392	28.267	0.0006	0.05	60 C Aqueous Phase SCW
LWA 076	Inconel 625	4392	28.453	0.0012	0.10	60 C Aqueous Phase SCW
LWA 101	Inconel 625	4392	28.252	0.0013	0.11	60 C Water Line SCW
LWJ 071	Inconel 625	4392	27.890	0.0004	0.03	60 C Vapor Phase SCW
LWJ 072	Inconel 625	4392	27.498	0.0009	0.08	60 C Vapor Phase SCW
LWJ 073	Inconel 625	4392	27.672	0.0006	0.05	60 C Vapor Phase SCW
LWJ 074	Inconel 625	4392	27.847	0.0012	0.10	60 C Aqueous Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWJ 075	Inconel 625	4392	27.503	0.0010	0.09	60 C Aqueous Phase SCW
LWJ 076	Inconel 625	4392	27.640	0.0007	0.06	60 C Aqueous Phase SCW
LWJ 101	Inconel 625	4392	27.751	0.0006	0.05	60 C Water Line SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
AWA 106	1825	4464	28.196	0.0007	0.06	90 C Water Line SCW
AWA 111	1825	4464	28.252	0.0002	0.02	90 C Vapor Phase SCW
AWA 112	1825	4464	28.122	0.0005	0.04	90 C Vapor Phase SCW
AWA 113	1825	4464	27.889	0.0003	0.03	90 C Vapor Phase SCW
AWA 114	1825	4464	28.106	0.0002	0.02	90 C Aqueous Phase SCW
AWA 115	1825	4464	28.425	0.0000	0.00	90 C Aqueous Phase SCW
AWA 116	1825	4464	28.130	0.0004	0.03	90 C Aqueous Phase SCW
AWB 106	1825	4464	27.442	0.0001	0.01	90 C Water Line SCW
AWB 111	1825	4464	27.286	0.0003	0.03	90 C Vapor Phase SCW
AWB 112	1825	4464	27.355	0.0003	0.03	90 C Vapor Phase SCW
AWB 113	1825	4464	27.589	0.0004	0.03	90 C Vapor Phase SCW
AWB 114	1825	4464	27.482	0.0005	0.04	90 C Aqueous Phase SCW
AWB 115	1825	4464	27.488	0.0007	0.06	90 C Aqueous Phase SCW
AWB 116	1825	4464	27.605	0.0002	0.02	90 C Aqueous Phase SCW
BWA 106	G3	4464	28.530	-0.0008	-0.07	90 C Water Line SCW
BWA 111	G3	4464	28.196	-0.0003	-0.03	90 C Vapor Phase SCW
BWA 112	G3	4464	28.740	-0.0003	-0.02	90 C Vapor Phase SCW
BWA 113	G3	4464	28.537	0.0000	0.00	90 C Vapor Phase SCW
BWA 114	G3	4464	28.604	-0.0001	-0.01	90 C Aqueous Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BWA 115	G3	4464	28.577	-0.0003	-0.02	90 C Aqueous Phase SCW
BWA 116	G3	4464	28.617	0.0003	0.02	90 C Aqueous Phase SCW
BWC 106	G3	4464	28.294	0.0001	0.01	90 C Water Line SCW
BWC 111	G3	4464	28.279	0.0003	0.03	90 C Vapor Phase SCW
BWC 112	G3	4464	28.177	0.0002	0.02	90 C Vapor Phase SCW
BWC 113	G3	4464	28.379	0.0004	0.03	90 C Vapor Phase SCW
BWC 114	G3	4464	28.224	0.0004	0.03	90 C Aqueous Phase SCW
BWC 115	G3	4464	28.022	0.0004	0.03	90 C Aqueous Phase SCW
BWC 116	G3	4464	28.369	0.0003	0.03	90 C Aqueous Phase SCW
CWA 106	C4	4464	27.895	0.0001	0.01	90 C Water Line SCW
CWA 111	C4	4464	28.306	0.0001	0.01	90 C Vapor Phase SCW
CWA 112	C4	4464	28.200	0.0003	0.02	90 C Vapor Phase SCW
CWA 113	C4	4464	28.055	-0.0001	-0.01	90 C Vapor Phase SCW
CWA 114	C4	4464	27.963	0.0008	0.07	90 C Aqueous Phase SCW
CWA 115	C4	4464	27.905	0.0003	0.02	90 C Aqueous Phase SCW
CWA 116	C4	4464	28.166	0.0011	0.09	90 C Aqueous Phase SCW
CWB 106	C4	4464	27.556	0.0008	0.07	90 C Water Line SCW
CWB 111	C4	4464	27.652	0.0001	0.01	90 C Vapor Phase SCW
CWB 112	C4	4464	27.727	0.0000	0.00	90 C Vapor Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
CWB 113	C4	4464	27.684	-0.0001	-0.01	90 C Vapor Phase SCW
CWB 114	C4	4464	28.026	0.0005	0.04	90 C Aqueous Phase SCW
CWB 115	C4	4464	27.863	0.0004	0.03	90 C Aqueous Phase SCW
CWB 116	C4	4464	27.769	0.0004	0.03	90 C Aqueous Phase SCW
DWA 106	C22	4464	28.121	0.0004	0.03	90 C Water Line SCW
DWA 111	C22	4464	28.134	0.0003	0.02	90 C Vapor Phase SCW
DWA 112	C22	4464	28.363	0.0002	0.02	90 C Vapor Phase SCW
DWA 113	C22	4464	28.235	0.0002	0.02	90 C Vapor Phase SCW
DWA 114	C22	4464	28.238	-0.0002	-0.02	90 C Aqueous Phase SCW
DWA 115	C22	4464	28.115	0.0002	0.02	90 C Aqueous Phase SCW
DWA 116	C22	4464	28.066	0.0004	0.03	90 C Aqueous Phase SCW
DWB 106	C22	4464	27.643	0.0004	0.03	90 C Water Line SCW
DWB 111	C22	4464	27.449	0.0005	0.04	90 C Vapor Phase SCW
DWB 112	C22	4464	27.333	0.0007	0.06	90 C Vapor Phase SCW
DWB 113	C22	4464	27.469	0.0004	0.03	90 C Vapor Phase SCW
DWB 114	C22	4464	27.059	0.0009	0.08	90 C Aqueous Phase SCW
DWB 115	C22	4464	27.041	0.0007	0.06	90 C Aqueous Phase SCW
DWB 116	C22	4464	27.440	0.0008	0.07	90 C Aqueous Phase SCW
EWA 106	Ti Grade 12	4464	28.099	0.0376	5.93	90 C Water Line SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
EWA 111	Ti Grade 12	4464	28.342	0.0207	3.24	90 C Vapor Phase SCW
EWA 112	Ti Grade 12	4464	28.584	0.0261	4.04	90 C Vapor Phase SCW
EWA 113	Ti Grade 12	4464	28.600	0.0309	4.79	90 C Vapor Phase SCW
EWA 114	Ti Grade 12	4464	27.978	0.0397	6.29	90 C Aqueous Phase SCW
EWA 115	Ti Grade 12	4464	28.646	0.0495	7.65	90 C Aqueous Phase SCW
EWA 116	Ti Grade 12	4464	28.649	0.0406	6.28	90 C Aqueous Phase SCW
EWD 106	Ti Grade 12	4464	29.083	0.0815	12.41	90 C Water Line SCW
EWD 111	Ti Grade 12	4464	28.819	0.0316	4.86	90 C Vapor Phase SCW
EWD 112	Ti Grade 12	4464	29.210	0.0411	6.23	90 C Vapor Phase SCW
EWD 113	Ti Grade 12	4464	28.963	0.0244	3.73	90 C Vapor Phase SCW
EWD 114	Ti Grade 12	4464	28.952	0.0426	6.52	90 C Aqueous Phase SCW
EWD 115	Ti Grade 12	4464	28.705	0.2063	31.84	90 C Aqueous Phase SCW
EWD 116	Ti Grade 12	4464	29.114	0.0631	9.60	90 C Aqueous Phase SCW
FWA 106	Ti Grade 16	4464	27.798	0.0241	3.76	90 C Water Line SCW
FWA 111	Ti Grade 16	4464	27.795	0.0290	4.53	90 C Vapor Phase SCW
FWA 112	Ti Grade 16	4464	27.633	0.0640	10.06	90 C Vapor Phase SCW
FWA 113	Ti Grade 16	4464	27.586	0.0295	4.64	90 C Vapor Phase SCW
FWA 114	Ti Grade 16	4464	27.458	0.0361	5.71	90 C Aqueous Phase SCW
FWA 115	Ti Grade 16	4464	27.529	0.0314	4.95	90 C Aqueous Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
FWA 116	Ti Grade 16	4464	27.639	0.0343	5.39	90 C Aqueous Phase SCW
FWE 106	Ti Grade 16	4464	27.486	0.0294	4.64	90 C Water Line SCW
FWE 111	Ti Grade 16	4464	28.211	0.0292	4.49	90 C Vapor Phase SCW
FWE 112	Ti Grade 16	4464	27.848	0.0192	2.99	90 C Vapor Phase SCW
FWE 113	Ti Grade 16	4464	28.109	0.0289	4.46	90 C Vapor Phase SCW
FWE 114	Ti Grade 16	4464	28.025	0.0326	5.05	90 C Aqueous Phase SCW
FWE 115	Ti Grade 16	4464	27.741	0.0831	13.01	90 C Aqueous Phase SCW
FWE 116	Ti Grade 16	4464	27.997	0.0362	5.61	90 C Aqueous Phase SCW
LWA 106	Inconel 625	4464	28.327	0.0005	0.04	90 C Water Line SCW
LWA 111	Inconel 625	4464	28.095	0.0004	0.03	90 C Vapor Phase SCW
LWA 112	Inconel 625	4464	28.266	0.0004	0.03	90 C Vapor Phase SCW
LWA 113	Inconel 625	4464	28.247	0.0004	0.03	90 C Vapor Phase SCW
LWA 114	Inconel 625	4464	28.168	0.0006	0.05	90 C Aqueous Phase SCW
LWA 115	Inconel 625	4464	28.213	0.0009	0.07	90 C Aqueous Phase SCW
LWA 116	Inconel 625	4464	28.123	0.0005	0.04	90 C Aqueous Phase SCW
LWJ 106	Inconel 625	4464	27.728	0.0003	0.03	90 C Water Line SCW
LWJ 111	Inconel 625	4464	27.653	0.0003	0.03	90 C Vapor Phase SCW
LWJ 112	Inconel 625	4464	27.557	-0.0002	-0.02	90 C Vapor Phase SCW
LWJ 113	Inconel 625	4464	27.778	0.0002	0.02	90 C Vapor Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWJ 114	Inconel 625	4464	27.633	0.0005	0.04	90 C Aqueous Phase SCW
LWJ 115	Inconel 625	4464	27.592	0.0005	0.04	90 C Aqueous Phase SCW
LWJ 116	Inconel 625	4464	27.807	0.0003	0.03	90 C Aqueous Phase SCW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 29-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
AWA 141	I825	4464	28.374	-0.0002	-0.02	60 C Vapor Phase SDW
AWA 142	I825	4464	28.016	-0.0001	-0.01	60 C Aqueous Phase SDW
AWA 151	I825	4464	28.406	-0.0003	-0.03	60 C Water Line SDW
AWB 141	I825	4464	27.028	0.0003	0.03	60 C Vapor Phase SDW
AWB 142	I825	4464	27.380	0.0005	0.04	60 C Aqueous Phase SDW
AWB 151	I825	4464	27.699	0.0004	0.03	60 C Water Line SDW
BWA 141	G3	4464	28.571	0.0006	0.05	60 C Vapor Phase SDW
BWA 142	G3	4464	28.679	0.0005	0.04	60 C Aqueous Phase SDW
BWA 151	G3	4464	28.378	-0.0002	-0.02	60 C Water Line SDW
BWC 141	G3	4464	28.239	0.0001	0.01	60 C Vapor Phase SDW
BWC 142	G3	4464	28.349	0.0002	0.02	60 C Aqueous Phase SDW
BWC 151	G3	4464	28.278	-0.0001	-0.01	60 C Water Line SDW
CWA 141	C4	4464	28.362	0.0006	0.05	60 C Vapor Phase SDW
CWA 142	C4	4464	28.095	0.0002	0.02	60 C Aqueous Phase SDW
CWA 151	C4	4464	27.919	0.0000	0.00	60 C Water Line SDW
CWB 141	C4	4464	27.871	0.0004	0.03	60 C Vapor Phase SDW
CWB 142	C4	4464	27.989	0.0003	0.02	60 C Aqueous Phase SDW
CWB 151	C4	4464	28.193	0.0000	0.00	60 C Water Line SDW
DWA 141	C22	4464	28.205	-0.0001	-0.01	60 C Vapor Phase SDW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 29-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DWA 142	C22	4464	28.208	-0.0002	-0.02	60 C Aqueous Phase SDW
DWA 151	C22	4464	28.135	0.0001	0.01	60 C Water Line SDW
DWB 141	C22	4464	27.732	0.0003	0.02	60 C Vapor Phase SDW
DWB 142	C22	4464	27.441	0.0001	0.01	60 C Aqueous Phase SDW
DWB 151	C22	4464	27.674	0.0001	0.01	60 C Water Line SDW
EWA 141	Ti Grade 12	4464	28.371	0.0296	4.62	60 C Vapor Phase SDW
EWA 142	Ti Grade 12	4464	29.038	0.0236	3.60	60 C Aqueous Phase SDW
EWA 151	Ti Grade 12	4464	29.116	0.0327	4.98	60 C Water Line SDW
EWD 141	Ti Grade 12	4464	29.044	0.0260	3.97	60 C Vapor Phase SDW
EWD 142	Ti Grade 12	4464	28.926	0.0617	9.45	60 C Aqueous Phase SDW
EWD 151	Ti Grade 12	4464	28.988	0.0399	6.10	60 C Water Line SDW
FWA 141	Ti Grade 16	4464	27.806	0.0249	3.89	60 C Vapor Phase SDW
FWA 142	Ti Grade 16	4464	27.626	0.0238	3.74	60 C Aqueous Phase SDW
FWA 151	Ti Grade 16	4464	27.717	0.0608	9.52	60 C Water Line SDW
FWE 141	Ti Grade 16	4464	27.668	0.0158	2.48	60 C Vapor Phase SDW
FWE 142	Ti Grade 16	4464	27.571	0.0267	4.20	60 C Aqueous Phase SDW
FWE 151	Ti Grade 16	4464	27.871	0.0271	4.22	60 C Water Line SDW
LWA 141	Inconel 625	4464	28.311	0.0009	0.07	60 C Vapor Phase SDW
LWA 142	Inconel 625	4464	28.336	0.0006	0.05	60 C Aqueous Phase SDW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 29-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWA 151	Inconel 625	4464	28.247	0.0002	0.02	60 C Water Line SDW
LWJ 141	Inconel 625	4464	27.764	0.0002	0.02	60 C Vapor Phase SDW
LWJ 142	Inconel 625	4464	27.774	0.0002	0.02	60 C Aqueous Phase SDW
LWJ 151	Inconel 625	4464	27.861	0.0000	0.00	60 C Water Line SDW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
AWA 164	I825	4392	28.058	0.0002	0.02	90 C Water Line SDW
AWA 168	I825	4392	28.284	0.0003	0.03	90 C Vapor Phase SDW
AWA 169	I825	4392	28.222	0.0006	0.05	90 C Aqueous Phase SDW
AWB 164	I825	4392	27.750	0.0002	0.02	90 C Water Line SDW
AWB 168	I825	4392	27.871	0.0004	0.04	90 C Vapor Phase SDW
AWB 169	I825	4392	27.901	0.0002	0.02	90 C Aqueous Phase SDW
BWA 164	G3	4392	27.817	0.0010	0.09	90 C Water Line SDW
BWA 168	G3	4392	27.793	0.0016	0.14	90 C Vapor Phase SDW
BWA 169	G3	4392	27.866	0.0014	0.12	90 C Aqueous Phase SDW
BWC 164	G3	4392	27.918	0.0001	0.01	90 C Water Line SDW
BWC 168	G3	4392	27.842	0.0000	0.00	90 C Vapor Phase SDW
BWC 169	G3	4392	27.900	0.0011	0.10	90 C Aqueous Phase SDW
CWA 164	C4	4392	28.152	0.0011	0.09	90 C Water Line SDW
CWA 168	C4	4392	28.153	0.0016	0.13	90 C Vapor Phase SDW
CWA 169	C4	4392	28.113	0.0012	0.10	90 C Aqueous Phase SDW
CWB 164	C4	4392	28.026	0.0008	0.07	90 C Water Line SDW
CWB 168	C4	4392	27.792	0.0004	0.03	90 C Vapor Phase SDW
CWB 169	C4	4392	27.610	0.0011	0.09	90 C Aqueous Phase SDW
DWA 164	C22	4392	28.192	0.0010	0.08	90 C Water Line SDW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DWA 168	C22	4392	28.067	0.0004	0.03	90 C Vapor Phase SDW
DWA 169	C22	4392	27.989	0.0009	0.07	90 C Aqueous Phase SDW
DWB 164	C22	4392	27.609	0.0002	0.02	90 C Water Line SDW
DWB 168	C22	4392	27.763	0.0008	0.07	90 C Vapor Phase SDW
DWB 169	C22	4392	27.238	0.0003	0.03	90 C Aqueous Phase SDW
EWA 164	Ti Grade 12	4392	27.803	0.0349	5.65	90 C Water Line SDW
EWA 168	Ti Grade 12	4392	27.722	0.0377	6.12	90 C Vapor Phase SDW
EWA 169	Ti Grade 12	4392	27.650	0.0328	5.34	90 C Aqueous Phase SDW
EWD 164	Ti Grade 12	4392	27.371	0.0331	5.44	90 C Water Line SDW
EWD 168	Ti Grade 12	4392	27.655	0.0338	5.50	90 C Vapor Phase SDW
EWD 169	Ti Grade 12	4392	37.862	0.0386	4.59	90 C Aqueous Phase SDW
FWA 164	Ti Grade 16	4392	27.441	0.0262	4.21	90 C Water Line SDW
FWA 168	Ti Grade 16	4392	27.239	0.0245	3.97	90 C Vapor Phase SDW
FWA 169	Ti Grade 16	4392	27.444	0.0236	3.79	90 C Aqueous Phase SDW
FWE 164	Ti Grade 16	4392	27.380	0.0253	4.08	90 C Water Line SDW
FWE 168	Ti Grade 16	4392	27.597	0.0177	2.83	90 C Vapor Phase SDW
FWE 169	Ti Grade 16	4392	27.572	0.0472	7.55	90 C Aqueous Phase SDW
LWA 164	Inconel 625	4392	28.253	0.0007	0.06	90 C Water Line SDW
LWA 168	Inconel 625	4392	28.195	0.0005	0.04	90 C Vapor Phase SDW

Corrosion Rate Calculations for Weight Loss Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LWA 169	Inconel 625	4392	28.106	0.0012	0.10	90 C Aqueous Phase SDW
LWJ 164	Inconel 625	4392	27.773	0.0002	0.02	90 C Water Line SDW
LWJ 168	Inconel 625	4392	27.750	0.0008	0.07	90 C Vapor Phase SDW
LWJ 169	Inconel 625	4392	27.749	0.0004	0.03	90 C Aqueous Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 23-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
ICA 001	A387 Grade 22	4536	53.025	0.2703	12.52	60 C SDW VAPOR PHASE
ICA 002	A387 Grade 22	4536	53.077	0.2546	11.79	60 C SDW VAPOR PHASE
ICA 003	A387 Grade 22	4536	53.257	0.2455	11.33	60 C SDW VAPOR PHASE
ICA 004	A387 Grade 22	4536	52.952	2.1500	99.76	60 C SDW AQUEOUS PHASE
ICA 005	A387 Grade 22	4536	53.027	2.2049	102.16	60 C SDW AQUEOUS PHASE
ICA 006	A387 Grade 22	4536	52.736	2.1720	101.20	60 C SDW AQUEOUS PHASE
ICH 001	A387 Grade 22	4536	53.003	0.3047	14.12	60 C SDW VAPOR PHASE
ICH 002	A387 Grade 22	4536	53.055	0.3523	16.32	60 C SDW VAPOR PHASE
ICH 003	A387 Grade 22	4536	52.881	0.6660	30.94	60 C SDW VAPOR PHASE
ICH 004	A387 Grade 22	4536	52.986	2.4095	111.73	60 C SDW AQUEOUS PHASE
ICH 005	A387 Grade 22	4536	53.000	1.7030	78.95	60 C SDW AQUEOUS PHASE
ICH 006	A387 Grade 22	4536	53.069	1.8889	87.45	60 C SDW AQUEOUS PHASE
JCA 001	A516 Grade 55	4536	52.871	1.3607	63.23	60 C SDW VAPOR PHASE
JCA 002	A516 Grade 55	4536	52.573	1.1356	53.07	60 C SDW VAPOR PHASE
JCA 003	A516 Grade 55	4536	53.493	1.0760	49.42	60 C SDW VAPOR PHASE
JCA 004	A516 Grade 55	4536	52.719	1.8839	87.80	60 C SDW AQUEOUS PHASE
JCA 005	A516 Grade 55	4536	52.905	1.9011	88.29	60 C SDW AQUEOUS PHASE
JCA 006	A516 Grade 55	4536	53.481	1.7132	78.71	60 C SDW AQUEOUS PHASE
JCI 001	A516 Grade 55	4536	51.695	1.1230	53.38	60 C SDW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 23-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JCI 002	A516 Grade 55	4536	53.646	1.3672	62.62	60 C SDW VAPOR PHASE
JCI 003	A516 Grade 55	4536	51.804	1.5169	71.95	60 C SDW VAPOR PHASE
JCI 004	A516 Grade 55	4536	51.626	2.3630	112.46	60 C SDW AQUEOUS PHASE
JCI 005	A516 Grade 55	4536	52.042	2.1855	103.18	60 C SDW AQUEOUS PHASE
JCI 006	A516 Grade 55	4536	52.452	2.1291	99.73	60 C SDW AQUEOUS PHASE
KCA 001	A27 Grade 70-40	4536	51.849	1.5080	71.83	60 C SDW VAPOR PHASE
KCA 002	A27 Grade 70-40	4536	51.819	1.2345	58.83	60 C SDW VAPOR PHASE
KCA 003	A27 Grade 70-40	4536	51.885	1.3747	65.43	60 C SDW VAPOR PHASE
KCA 004	A27 Grade 70-40	4536	51.957	2 1528	102.33	60 C SDW AQUEOUS PHASE
KCA 005	A27 Grade 70-40	4536	51.271	2.1123	101.74	60 C SDW AQUEOUS PHASE
KCA 006	A27 Grade 70-40	4536	52.142	2.7595	130.70	60 C SDW AQUEOUS PHASE
KCI 001	A27 Grade 70-40	4536	52.198	1.2639	59.80	60 C SDW VAPOR PHASE
KCI 002	A27 Grade 70-40	4536	51.915	1.3488	64.16	60 C SDW VAPOR PHASE
KCI 003	A27 Grade 70-40	4536	52.097	1.5664	74.25	60 C SDW VAPOR PHASE
KCI 004	A27 Grade 70-40	4536	52.381	2.3001	108.44	60 C SDW AQUEOUS PHASE
KCI 005	A27 Grade 70-40	4536	52.154	1.9619	92.90	60 C SDW AQUEOUS PHASE
KCI 006	A27 Grade 70-40	4536	51.435	2.5326	121.60	60 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 23-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ICA 007	A387 Grade 22	8760	53.061	0.4225	10.13	60 C SDW VAPOR PHASE
ICA 008	A387 Grade 22	8760	52.909	0.3357	8.07	60 C SDW VAPOR PHASE
ICA 009	A387 Grade 22	8760	52.905	0.4473	10.76	60 C SDW VAPOR PHASE
ICA 010	A387 Grade 22	8760	52.767	3.5142	84.73	60 C SDW AQUEOUS PHASE
ICA 011	A387 Grade 22	8760	53.018	4.7819	114.75	60 C SDW AQUEOUS PHASE
ICA 012	A387 Grade 22	8760	53.128	3.9595	94.82	60 C SDW AQUEOUS PHASE
ICH 007	A387 Grade 22	8760	53.151	0.5510	13.19	60 C SDW VAPOR PHASE
ICH 008	A387 Grade 22	8760	53.173	0.6223	14.89	60 C SDW VAPOR PHASE
ICH 009	A387 Grade 22	8760	53.319	0.9945	23.73	60 C SDW VAPOR PHASE
ICH 010	A387 Grade 22	8760	52.932	4.7824	114.95	60 C SDW AQUEOUS PHASE
ICH 011	A387 Grade 22	8760	52.515	3.6757	89.05	60 C SDW AQUEOUS PHASE
ICH 012	A387 Grade 22	8760	52.713	1.4627	35.30	60 C SDW AQUEOUS PHASE
JCA 007	A516 Grade 55	8760	53.332	1.1052	26.37	60 C SDW VAPOR PHASE
JCA 008	A516 Grade 55	8760	53.033	0.8082	19.39	60 C SDW VAPOR PHASE
JCA 009	A516 Grade 55	8760	52.975	0.8234	19.78	60 C SDW VAPOR PHASE
JCA 010	A516 Grade 55	8760	52.562	2.9437	71.25	60 C SDW AQUEOUS PHASE
JCA 011	A516 Grade 55	8760	52.293	2.7033	65.77	60 C SDW AQUEOUS PHASE
JCA 012	A516 Grade 55	8760	52.677	2.8983	70.00	60 C SDW AQUEOUS PHASE
JCI 007	A516 Grade 55	8760	51.940	1.1230	27.51	60 C SDW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 23-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JCI 008	A516 Grade 55	8760	51.640	1.1154	27.48	60 C SDW VAPOR PHASE
JCI 009	A516 Grade 55	8760	51.560	1.5948	39.35	60 C SDW VAPOR PHASE
JCI 010	A516 Grade 55	8760	51.409	2.9353	72.64	60 C SDW AQUEOUS PHASE
JCI 011	A516 Grade 55	8760	51.614	2.9572	72.89	60 C SDW AQUEOUS PHASE
JCI 012	A516 Grade 55	8760	52.617	4.4224	106.93	60 C SDW AQUEOUS PHASE
KCA 007	A27 Grade 70-40	8760	51.835	1.5936	39.31	60 C SDW VAPOR PHASE
KCA 008	A27 Grade 70-40	8760	51.669	1.4780	36.58	60 C SDW VAPOR PHASE
KCA 009	A27 Grade 70-40	8760	51.609	1.5809	39.17	60 C SDW VAPOR PHASE
KCA 010	A27 Grade 70-40	8760	51.975	3.0283	74.51	60 C SDW AQUEOUS PHASE
KCA 011	A27 Grade 70-40	8760	51.720	3.0173	74.60	60 C SDW AQUEOUS PHASE
KCA 012	A27 Grade 70-40	8760	51.841	3.0572	75.41	60 C SDW AQUEOUS PHASE
KCI 007	A27 Grade 70-40	8760	50.546	1.5673	39.65	60 C SDW VAPOR PHASE
KCI 008	A27 Grade 70-40	8760	52.436	1.6007	39.04	60 C SDW VAPOR PHASE
KCI 009	A27 Grade 70-40	8760	51.299	1.4713	36.68	60 C SDW VAPOR PHASE
KCI 010	A27 Grade 70-40	8760	51.489	2.9077	72.21	60 C SDW AQUEOUS PHASE
KCI 011	A27 Grade 70-40	8760	52.052	3.2916	80.87	60 C SDW AQUEOUS PHASE
KCI 012	A27 Grade 70-40	8760	51.780	3.4692	85.68	60 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 22-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ICA 031	A387 Grade 22	4632	53.186	0.6025	27.26	90 C SDW VAPOR PHASE
ICA 032	A387 Grade 22	4632	52.950	0.4919	22.35	90 C SDW VAPOR PHASE
ICA 033	A387 Grade 22	4632	53.059	0.3954	17.93	90 C SDW VAPOR PHASE
ICA 034	A387 Grade 22	4632	52.461	1.9657	90.16	90 C SDW AQUEOUS PHASE
ICA 035	A387 Grade 22	4632	53.172	1.9743	89.34	90 C SDW AQUEOUS PHASE
ICA 036	A387 Grade 22	4632	53.174	2.1206	95.96	90 C SDW AQUEOUS PHASE
ICH 031	A387 Grade 22	4632	53.026	0.4093	18.57	90 C SDW VAPOR PHASE
ICH 032	A387 Grade 22	4632	52.975	0.3557	16.16	90 C SDW VAPOR PHASE
ICH 033	A387 Grade 22	4632	52.547	0.8031	36.77	90 C SDW VAPOR PHASE
ICH 034	A387 Grade 22	4632	52.312	2.1534	99.05	90 C SDW AQUEOUS PHASE
ICH 035	A387 Grade 22	4632	52.012	1.2662	58.57	90 C SDW AQUEOUS PHASE
ICH 036	A387 Grade 22	4632	52.325	3.1047	142.77	90 C SDW AQUEOUS PHASE
JCA 031	A516 Grade 55	4632	53.131	2.9867	135.26	90 C SDW VAPOR PHASE
JCA 032	A516 Grade 55	4632	53.341	2.8839	130.09	90 C SDW VAPOR PHASE
JCA 033	A516 Grade 55	4632	53.674	2.0111	90.15	90 C SDW VAPOR PHASE
JCA 034	A516 Grade 55	4632	53.648	1.7160	76.96	90 C SDW AQUEOUS PHASE
JCA 035	A516 Grade 55	4632	52.808	1.5462	70.45	90 C SDW AQUEOUS PHASE
JCA 036	A516 Grade 55	4632	53.007	1.6367	74.29	90 C SDW AQUEOUS PHASE
JCI 031	A516 Grade 55	4632	52.570	1.3978	63.98	90 C SDW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 22-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JCI 032	A516 Grade 55	4632	51.667	1.3903	64.74	90 C SDW VAPOR PHASE
JCI 033	A516 Grade 55	4632	52.450	2.0873	95.75	90 C SDW VAPOR PHASE
JCI 034	A516 Grade 55	4632	51.696	3.8763	180.42	90 C SDW AQUEOUS PHASE
JCI 035	A516 Grade 55	4632	51.926	1.2534	58.08	90C SDW AQUEOUS PHASE
JCI 036	A516 Grade 55	4632	52.559	1.4476	66.27	90 C SDW AQUEOUS PHASE
KCA 031	A27 Grade 70-40	4632	52.307	2.1361	98.76	90 C SDW VAPOR PHASE
KCA 032	A27 Grade 70-40	4632	51.945	1.9102	88.93	90 C SDW VAPOR PHASE
KCA 033	A27 Grade 70-40	4632	51.685	1.3464	63.00	90 C SDW VAPOR PHASE
KCA 034	A27 Grade 70-40	4632	51.908	1.6924	78.85	90 C SDW AQUEOUS PHASE
KCA 035	A27 Grade 70-40	4632	51.961	1.8275	85.06	90 C SDW AQUEOUS PHASE
KCA 036	A27 Grade 70-40	4632	51.937	1.7086	79.56	90 C SDW AQUEOUS PHASE
KCI 031	A27 Grade 70-40	4632	52.263	1.5021	69.51	90 C SDW VAPOR PHASE
KCI 032	A27 Grade 70-40	4632	50.374	1.0963	52.63	90 C SDW VAPOR PHASE
KCI 033	A27 Grade 70-40	4632	52.511	0.9677	44.57	90 C SDW VAPOR PHASE
KCI 034	A27 Grade 70-40	4632	51.632	1.5919	74.56	90 C SDW AQUEOUS PHASE
KCI 035	A27 Grade 70-40	4632	52.097	1.6205	75.23	90 C SDW AQUEOUS PHASE
KCI 036	A27 Grade 70-40	4632	52.302	1.6664	77.05	90 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 22-2

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ICA 037	A387 Grade 22	8832	53.134	1.0401	24.70	90 C SDW VAPOR PHASE
ICA 038	A387 Grade 22	8832	53.119	0.6884	16.35	90 C SDW VAPOR PHASE
ICA 039	A387 Grade 22	8832	53.283	0.7931	18.78	90 C SDW VAPOR PHASE
ICA 040	A387 Grade 22	8832	53.238	2.6970	63.93	90 C SDW AQUEOUS PHASE
ICA 041	A387 Grade 22	8832	53.019	2.1697	51.64	90 C SDW AQUEOUS PHASE
ICA 042	A387 Grade 22	8832	53.172	3.0014	71.23	90 C SDW AQUEOUS PHASE
ICH 037	A387 Grade 22	8832	52.197	1.0520	25.43	90 C SDW VAPOR PHASE
ICH 038	A387 Grade 22	8832	52.327	1.4243	34.35	90 C SDW VAPOR PHASE
ICH 039	A387 Grade 22	8832	52.834	2.4344	58.14	90 C SDW VAPOR PHASE
ICH 040	A387 Grade 22	8832	52.662	2.4830	59.50	90 C SDW AQUEOUS PHASE
ICH 041	A387 Grade 22	8832	52.648	3.5803	85.81	90 C SDW AQUEOUS PHASE
ICH 042	A387 Grade 22	8832	53.141	2.9301	69.58	90 C SDW AQUEOUS PHASE
JCA 037	A516 Grade 55	8832	52.730	2.6810	64.16	90 C SDW VAPOR PHASE
JCA 038	A516 Grade 55	8832	52.759	2.4686	59.04	90 C SDW VAPOR PHASE
JCA 039	A516 Grade 55	8832	53.158	2.1727	51.58	90 C SDW VAPOR PHASE
JCA 040	A516 Grade 55	8832	52.764	1.7739	42.42	90 C SDW AQUEOUS PHASE
JCA 041	A516 Grade 55	8832	52.781	1.9203	45.91	90 C SDW AQUEOUS PHASE
JCA 042	A516 Grade 55	8832	53.250	1.2460	29.53	90 C SDW AQUEOUS PHASE
JCI 037	A516 Grade 55	8832	52.695	2.3028	55.15	90 C SDW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 22-2

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
JCI 038	A516 Grade 55	8832	51.872	2.7491	66.88	90 C SDW VAPOR PHASE
JCI 039	A516 Grade 55	8832	51.749	3.0260	73.79	90 C SDW VAPOR PHASE
JCI 040	A516 Grade 55	8832	52.131	2.6870	65.04	90 C SDW AQUEOUS PHASE
JCI 041	A516 Grade 55	8832	51.723	2.6943	65.73	90 C SDW AQUEOUS PHASE
JCI 042	A516 Grade 55	8832	51.735	3.6357	88.68	90 C SDW AQUEOUS PHASE
KCA 037	A27 Grade 70-40	8832	51.348	1.8885	46.65	90 C SDW VAPOR PHASE
KCA 038	A27 Grade 70-40	8832	52.111	2.1384	52.05	90 C SDW VAPOR PHASE
KCA 039	A27 Grade 70-40	8832	51.796	1.8046	44.19	90 C SDW VAPOR PHASE
KCA 040	A27 Grade 70-40	8832	51.977	2.3967	58.48	90 C SDW AQUEOUS PHASE
KCA 041	A27 Grade 70-40	8832	51.916	1.4684	35.87	90 C SDW AQUEOUS PHASE
KCA 042	A27 Grade 70-40	8832	51.884	2.0512	50.14	90 C SDW AQUEOUS PHASE
KCI 037	A27 Grade 70-40	8832	53.185	1.9821	47.27	90 C SDW VAPOR PHASE
KCI 038	A27 Grade 70-40	8832	51.516	1.8171	44.74	90 C SDW VAPOR PHASE
KCI 039	A27 Grade 70-40	8832	52.617	1.7186	41.43	90 C SDW VAPOR PHASE
KCI 040	A27 Grade 70-40	8832	52.475	2.0312	49.10	90 C SDW AQUEOUS PHASE
KCI 041	A27 Grade 70-40	8832	52.222	2.2224	53.98	90 C SDW AQUEOUS PHASE
KCI 042	A27 Grade 70-40	8832	52.284	1.6682	40.46	90 C SDW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 21-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
ICA 061	A387 Grade 22	4392	53.340	1.1379	54.13	60 C SCW VAPOR PHASE
ICA 062	A387 Grade 22	4392	52.912	1.2126	58.15	60 C SCW VAPOR PHASE
ICA 063	A387 Grade 22	4392	53.435	1.2510	59.41	60 C SCW VAPOR PHASE
ICA 064	A387 Grade 22	4392	53.053	0.4566	21.84	60 C SCW AQUEOUS PHASE
ICA 065	A387 Grade 22	4392	52.614	0.4204	20.28	60 C SCW AQUEOUS PHASE
ICA 066	A387 Grade 22	4392	53.300	0.4010	19.09	60 C SCW AQUEOUS PHASE
ICH 061	A387 Grade 22	4392	52.958	1.5668	75.08	60 C SCW VAPOR PHASE
ICH 062	A387 Grade 22	4392	52.972	2.0224	96.88	60 C SCW VAPOR PHASE
ICH 063	A387 Grade 22	4392	53.075	3.7594	179.74	60 C SCW VAPOR PHASE
ICH 064	A387 Grade 22	4392	52.879	0.5769	27.68	60 C SCW AQUEOUS PHASE
ICH 065	A387 Grade 22	4392	52.118	0.5883	28.64	60 C SCW AQUEOUS PHASE
ICH 066	A387 Grade 22	4392	52.436	0.6079	29.42	60 C SCW AQUEOUS PHASE
JCA 061	A516 Grade 55	4392	53.403	2.5857	122.87	60 C SCW VAPOR PHASE
JCA 062	A516 Grade 55	4392	53.495	3.4959	165.83	60 C SCW VAPOR PHASE
JCA 063	A516 Grade 55	4392	53.363	4.4477	211.50	60 C SCW VAPOR PHASE
JCA 064	A516 Grade 55	4392	53.222	1.3672	65.19	60 C SCW AQUEOUS PHASE
JCA 065	A516 Grade 55	4392	52.514	1.3518	65.32	60 C SCW AQUEOUS PHASE
JCA 066	A516 Grade 55	4392	53.049	1.3174	63.02	60 C SCW AQUEOUS PHASE
JCI 061	A516 Grade 55	4392	51.656	4.2432	208.44	60 C SCW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 21-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
JCI 062	A516 Grade 55	4392	51.792	4.7602	233.23	60 C SCW VAPOR PHASE
JCI 063	A516 Grade 55	4392	51.780	5.2537	257.47	60 C SCW VAPOR PHASE
JCI 064	A516 Grade 55	4392	51.806	1.1847	58.03	60 C SCW AQUEOUS PHASE
JCI 065	A516 Grade 55	4392	51.573	1.2228	60.17	60 C SCW AQUEOUS PHASE
JCI 066	A516 Grade 55	4392	52.472	1.2927	62.52	60 C SCW AQUEOUS PHASE
KCA 061	A27 Grade 70-40	4392	51.789	2.2727	111.93	60 C SCW VAPOR PHASE
KCA 062	A27 Grade 70-40	4392	51.652	2.2598	111.59	60 C SCW VAPOR PHASE
KCA 063	A27 Grade 70-40	4392	51.648	2.3443	115.77	60 C SCW VAPOR PHASE
KCA 064	A27 Grade 70-40	4392	51.885	1.2545	61.67	60 C SCW AQUEOUS PHASE
KCA 065	A27 Grade 70-40	4392	51.765	1.2354	60.87	60 C SCW AQUEOUS PHASE
KCA 066	A27 Grade 70-40	4392	51.629	1.2578	62.14	60 C SCW AQUEOUS PHASE
KCI 061	A27 Grade 70-40	4392	52.406	3.5040	170.54	60 C SCW VAPOR PHASE
KCI 062	A27 Grade 70-40	4392	51.640	3.6310	179.34	60 C SCW VAPOR PHASE
KCI 063	A27 Grade 70-40	4392	52.357	5.1544	251.10	60 C SCW VAPOR PHASE
KCI 064	A27 Grade 70-40	4392	52.117	1.7984	88.01	60 C SCW AQUEOUS PHASE
KCI 065	A27 Grade 70-40	4392	52.148	2.1304	104.20	60 C SCW AQUEOUS PHASE
KCI 066	A27 Grade 70-40	4392	51.831	1.7999	88.57	60 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 21-2

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ICA 067	A387 Grade 22	8760	53.003	2.0071	48.18	60 C SCW VAPOR PHASE
ICA 068	A387 Grade 22	8760	53.147	2.6897	64.39	60 C SCW VAPOR PHASE
ICA 069	A387 Grade 22	8760	53.148	4.8859	116.96	60 C SCW VAPOR PHASE
ICA 070	A387 Grade 22	8760	52.515	0.2117	5.13	60 C SCW AQUEOUS PHASE
ICA 071	A387 Grade 22	8760	53.266	0.1924	4.60	60 C SCW AQUEOUS PHASE
ICA 072	A387 Grade 22	8760	52.617	0.3660	8.85	60 C SCW AQUEOUS PHASE
ICH 067	A387 Grade 22	8760	52.057	5.9884	146.36	60 C SCW VAPOR PHASE
ICH 068	A387 Grade 22	8760	52.500	7.3001	176.91	60 C SCW VAPOR PHASE
ICH 069	A387 Grade 22	8760	52.372	8.3929	203.89	60 C SCW VAPOR PHASE
ICH 070	A387 Grade 22	8760	52.499	0.3598	8.72	60 C SCW AQUEOUS PHASE
ICH 071	A387 Grade 22	8760	52.756	0.3466	8.36	60 C SCW AQUEOUS PHASE
ICH 072	A387 Grade 22	8760	52.866	0.3402	8.19	60 C SCW AQUEOUS PHASE
JCA 067	A516 Grade 55	8760	53.173	4.5428	108.70	60 C SCW VAPOR PHASE
JCA 068	A516 Grade 55	8760	52.561	5.3039	128.38	60 C SCW VAPOR PHASE
JCA 069	A516 Grade 55	8760	53.109	6.1912	148.32	60 C SCW VAPOR PHASE
JCA 070	A516 Grade 55	8760	52.708	0.2804	6.77	60 C SCW AQUEOUS PHASE
JCA 071	A516 Grade 55	8760	53.063	0.4198	10.07	60 C SCW AQUEOUS PHASE
JCA 072	A516 Grade 55	8760	53.862	0.4961	11.72	60 C SCW AQUEOUS PHASE
JCI 067	A516 Grade 55	8760	52.418	7.1119	172.62	60 C SCW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 21-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JCI 068	A516 Grade 55	8760	51.791	8.3212	204.41	60 C SCW VAPOR PHASE
JCI 069	A516 Grade 55	8760	51.723	10.8980	268.07	60 C SCW VAPOR PHASE
JCI 070	A516 Grade 55	8760	51.616	0.4949	12.20	60 C SCW AQUEOUS PHASE
JCI 071	A516 Grade 55	8760	51.548	0.5228	12.90	60 C SCW AQUEOUS PHASE
JCI 072	A516 Grade 55	8760	52.813	0.5393	12.99	60 C SCW AQUEOUS PHASE
KCA 067	A27 Grade 70-40	8760	50.805	3.1889	80.27	60 C SCW VAPOR PHASE
KCA 068	A27 Grade 70-40	8760	51.536	4.2533	105.54	60 C SCW VAPOR PHASE
KCA 069	A27 Grade 70-40	8760	51.626	4.9141	121.72	60 C SCW VAPOR PHASE
KCA 071	A27 Grade 70-40	8760	51.826	0.4899	12.09	60 C SCW AQUEOUS PHASE
KCA 072	A27 Grade 70-40	8760	49.808	0.5594	14.36	60 C SCW AQUEOUS PHASE
KCI 067	A27 Grade 70-40	8760	51.654	6.9146	171.18	60 C SCW VAPOR PHASE
KCI 068	A27 Grade 70-40	8760	52.718	6.6746	161.90	60 C SCW VAPOR PHASE
KCI 069	A27 Grade 70-40	8760	52.646	7.3699	179.01	60 C SCW VAPOR PHASE
KCI 070	A27 Grade 70-40	8760	51.698	0.4937	12.21	60 C SCW AQUEOUS PHASE
KCI 071	A27 Grade 70-40	8760	52.357	0.4889	11.94	60 C SCW AQUEOUS PHASE
KCI 072	A27 Grade 70-40	8760	52.197	0.5152	12.62	60 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 20-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
ICA 091	A387 Grade 22	4344	52.892	1.7901	86.83	90 C SCW VAPOR PHASE
ICA 092	A387 Grade 22	4344	53.192	2.7451	132.40	90 C SCW VAPOR PHASE
ICA 093	A387 Grade 22	4344	53.154	4.0261	194.33	90 C SCW VAPOR PHASE
ICA 094	A387 Grade 22	4344	53.147	0.1791	8.65	90 C SCW AQUEOUS PHASE
ICA 095	A387 Grade 22	4344	53.432	0.1997	9.59	90 C SCW AQUEOUS PHASE
ICA 096	A387 Grade 22	4344	53.193	0.2301	11.10	90 C SCW AQUEOUS PHASE
ICH 091	A387 Grade 22	4344	52.961	5.2295	253.33	90 C SCW VAPOR PHASE
ICH 092	A387 Grade 22	4344	52.986	6.6431	321.66	90 C SCW VAPOR PHASE
ICH 093	A387 Grade 22	4344	52.410	9.2181	451.26	90 C SCW VAPOR PHASE
ICH 094	A387 Grade 22	4344	52.761	0.1791	8.71	90 C SCW AQUEOUS PHASE
ICH 095	A387 Grade 22	4344	52.742	0.1718	8.36	90 C SCW AQUEOUS PHASE
ICH 096	A387 Grade 22	4344	52.624	0.1764	8.60	90 C SCW AQUEOUS PHASE
JCA 091	A516 Grade 55	4344	52.876	3.8224	185.47	90 C SCW VAPOR PHASE
JCA 092	A516 Grade 55	4344	53.685	4.7766	228.28	90 C SCW VAPOR PHASE
JCA 093	A516 Grade 55	4344	53.669	4.7703	228.04	90 C SCW VAPOR PHASE
JCA 094	A516 Grade 55	4344	53.110	0.2533	12.24	90 C SCW AQUEOUS PHASE
JCA 095	A516 Grade 55	4344	53.088	0.1665	8.05	90 C SCW AQUEOUS PHASE
JCA 096	A516 Grade 55	4344	52.733	0.1780	8.66	90 C SCW AQUEOUS PHASE
JCI 091	A516 Grade 55	4344	51.751	5.5776	276.51	90 C SCW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 20-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
JCI 092	A516 Grade 55	4344	51.847	3.5537	175.85	90 C SCW VAPOR PHASE
JCI 093	A516 Grade 55	4344	52.750	5.5332	269.12	90 C SCW VAPOR PHASE
JCI 094	A516 Grade 55	4344	52.632	0.1516	7.39	90 C SCW AQUEOUS PHASE
JCI 095	A516 Grade 55	4344	51.547	0.1832	9.12	90 C SCW AQUEOUS PHASE
JCI 096	A516 Grade 55	4344	51.506	0.1811	9.02	90 C SCW AQUEOUS PHASE
KCA 091	A27 Grade 70-40	4344	52.074	1.5204	75.29	90 C SCW VAPOR PHASE
KCA 092	A27 Grade 70-40	4344	51.663	1.8697	93.33	90 C SCW VAPOR PHASE
KCA 093	A27 Grade 70-40	4344	51.673	2.0501	102.31	90 C SCW VAPOR PHASE
KCA 094	A27 Grade 70-40	4344	51.323	0.2941	14.78	90 C SCW AQUEOUS PHASE
KCA 095	A27 Grade 70-40	4344	51.407	0.2997	15.03	90 C SCW AQUEOUS PHASE
KCA 096	A27 Grade 70-40	4344	51.998	0.2541	12.60	90 C SCW AQUEOUS PHASE
KCI 091	A27 Grade 70-40	4344	52.637	2.6357	129.12	90 C SCW VAPOR PHASE
KCI 092	A27 Grade 70-40	4344	51.868	3.6374	180.84	90 C SCW VAPOR PHASE
KCI 093	A27 Grade 70-40	4344	52.320	4.4346	218.57	90 C SCW VAPOR PHASE
KCI 094	A27 Grade 70-40	4344	52.657	0.1988	9.74	90 C SCW AQUEOUS PHASE
KCI 095	A27 Grade 70-40	4344	51.202	0.2076	10.46	90 C SCW AQUEOUS PHASE
KCI 096	A27 Grade 70-40	4344	51.991	0.2312	11.47	90 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 20-2

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ICA 097	A387 Grade 22	8736	53.007	3.3840	81.44	90 C SCW VAPOR PHASE
ICA 098	A387 Grade 22	8736	53.089	5.8262	140.01	90 C SCW VAPOR PHASE
ICA 099	A387 Grade 22	8736	52.695	8.2831	200.53	90 C SCW VAPOR PHASE
ICA 100	A387 Grade 22	8736	52.905	0.1382	3.33	90 C SCW AQUEOUS PHASE
ICA 101	A387 Grade 22	8736	52.818	0.1401	3.38	90 C SCW AQUEOUS PHASE
ICA 102	A387 Grade 22	8736	52.146	0.1386	3.39	90 C SCW AQUEOUS PHASE
ICH 097	A387 Grade 22	8736	52.987	11.4118	274.76	90 C SCW VAPOR PHASE
ICH 098	A387 Grade 22	8736	52.742	11.5974	280.53	90 C SCW VAPOR PHASE
ICH 100	A387 Grade 22	8736	52.653	0.1297	3.14	90 C SCW AQUEOUS PHASE
ICH 101	A387 Grade 22	8736	52.481	0.1347	3.27	90 C SCW AQUEOUS PHASE
ICH 102	A387 Grade 22	8736	52.588	0.1303	3.16	90 C SCW AQUEOUS PHASE
JCA 097	A516 Grade 55	8736	52.791	5.7757	139.58	90 C SCW VAPOR PHASE
JCA 098	A516 Grade 55	8736	53.626	5.6287	133.91	90 C SCW VAPOR PHASE
JCA 099	A516 Grade 55	8736	53.616	5.0981	121.31	90 C SCW VAPOR PHASE
JCA 100	A516 Grade 55	8736	53.079	0.3199	7.69	90 C SCW AQUEOUS PHASE
JCA 101	A516 Grade 55	8736	53.314	0.2728	6.53	90 C SCW AQUEOUS PHASE
JCA 102	A516 Grade 55	8736	52.926	0.2141	5.16	90 C SCW AQUEOUS PHASE
JCI 097	A516 Grade 55	8736	51.724	5.8566	144.45	90 C SCW VAPOR PHASE
JCI 098	A516 Grade 55	8736	52.301	5.4115	132.00	90 C SCW VAPOR PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 20-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
JCI 099	A516 Grade 55	8736	51.818	5.9495	146.48	90 C SCW VAPOR PHASE
JCI 100	A516 Grade 55	8736	51.724	0.2693	6.64	90 C SCW AQUEOUS PHASE
JCI 101	A516 Grade 55	8736	52.913	0.2492	6.01	90 C SCW AQUEOUS PHASE
JCI 102	A516 Grade 55	8736	52.735	0.2585	6.25	90 C SCW AQUEOUS PHASE
KCA 097	A27 Grade 70-40	8736	52.087	2.9636	72.96	90 C SCW VAPOR PHASE
KCA 098	A27 Grade 70-40	8736	51.841	3.4384	85.05	90 C SCW VAPOR PHASE
KCA 099	A27 Grade 70-40	8736	52.098	3.5607	87.64	90 C SCW VAPOR PHASE
KCA 100	A27 Grade 70-40	8736	52.263	0.3425	8.40	90 C SCW AQUEOUS PHASE
KCA 101	A27 Grade 70-40	8736	51.616	0.3156	7.84	90 C SCW AQUEOUS PHASE
KCA 102	A27 Grade 70-40	8736	51.917	0.3336	8.24	90 C SCW AQUEOUS PHASE
KCI 097	A27 Grade 70-40	8736	52.816	4.6898	113.86	90 C SCW VAPOR PHASE
KCI 098	A27 Grade 70-40	8736	52.384	5.9939	146.72	90 C SCW VAPOR PHASE
KCI 099	A27 Grade 70-40	8736	52.160	8.9523	220.08	90 C SCW VAPOR PHASE
KCI 100	A27 Grade 70-40	8736	52.196	0.3202	7.87	90 C SCW AQUEOUS PHASE
KCI 101	A27 Grade 70-40	8736	52.056	0.3264	8.04	90 C SCW AQUEOUS PHASE
KCI 102	A27 Grade 70-40	8736	52.305	0.2984	7.32	90 C SCW AQUEOUS PHASE

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 19-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GCA 007	Monel 400	8760	52.279	0.0201	0.44	60 C Vapor Phase SAW
GCA 008	Monel 400	8760	51.790	0.0262	0.57	60 C Vapor Phase SAW
GCA 009	Monel 400	8760	52.264	0.0376	0.82	60 C Vapor Phase SAW
GCA 010	Monel 400	8760	51.715	2.0265	44.53	60 C Aqueous Phase SAW
GCA 011	Monel 400	8760	52.213	2.0635	44.91	60 C Aqueous Phase SAW
GCA 012	Monel 400	8760	52.474	2.1587	46.75	60 C Aqueous Phase SAW
GCF 007	Monel 400	8760	51.355	0.0502	1.11	60 C Vapor Phase SAW
GCF 008	Monel 400	8760	50.811	0.0509	1.14	60 C Vapor Phase SAW
GCF 009	Monel 400	8760	51.196	0.0945	2.10	60 C Vapor Phase SAW
GCF 010	Monel 400	8760	51.082	2.9694	66.06	60 C Aqueous Phase SAW
GCF 011	Monel 400	8760	51.352	3.0303	67.06	60 C Aqueous Phase SAW
GCF 012	Monel 400	8760	51.108	3.2255	71.72	60 C Aqueous Phase SAW
HCA 007	CDA 715	8760	53.177	0.0967	2.03	60 C Vapor Phase SAW
HCA 008	CDA 715	8760	53.288	0.1159	2.43	60 C Vapor Phase SAW
HCA 009	CDA 715	8760	53.139	0.1316	2.77	60 C Vapor Phase SAW
HCA 010	CDA 715	8760	53.176	5.2422	110.27	60 C Aqueous Phase SAW
HCA 011	CDA 715	8760	53.317	4.8345	101.43	60 C Aqueous Phase SAW
HCA 012	CDA 715	8760	53.220	4.9012	103.01	60 C Aqueous Phase SAW
HCG 007	CDA 715	8760	51.454	0.1521	3.31	60 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 19-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HCG 008	CDA 715	8760	51.709	0.1816	3.93	60 C Vapor Phase SAW
HCG 009	CDA 715	8760	51.597	0.2094	4.54	60 C Vapor Phase SAW
HCG 010	CDA 715	8760	51.349	4.6992	102.37	60 C Aqueous Phase SAW
HCG 011	CDA 715	8760	51.586	4.8497	105.16	60 C Aqueous Phase SAW
HCG 012	CDA 715	8760	51.615	5.1464	111.53	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 19-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GCA 001	Monel 400	4536	51.914	0.0110	0.47	60 C Vapor Phase SAW
GCA 002	Monel 400	4536	52.374	0.0160	0.67	60 C Vapor Phase SAW
GCA 003	Monel 400	4536	51.317	0.0180	0.77	60 C Vapor Phase SAW
GCA 004	Monel 400	4536	52.412	2.3345	97.75	60 C Aqueous Phase SAW
GCA 005	Monel 400	4536	52.155	2.2476	94.57	60 C Aqueous Phase SAW
GCA 006	Monel 400	4536	51.610	2.2643	96.28	60 C Aqueous Phase SAW
GCF 001	Monel 400	4536	51.696	0.0162	0.69	60 C Vapor Phase SAW
GCF 002	Monel 400	4536	50.647	0.0247	1.07	60 C Vapor Phase SAW
GCF 003	Monel 400	4536	51.094	0.0272	1.17	60 C Vapor Phase SAW
GCF 004	Monel 400	4536	51.046	3.0196	129.82	60 C Aqueous Phase SAW
GCF 005	Monel 400	4536	50.927	2.9966	129.13	60 C Aqueous Phase SAW
GCF 006	Monel 400	4536	51.008	3.5070	150.88	60 C Aqueous Phase SAW
HCA 001	CDA 715	4536	53.291	0.0408	1.65	60 C Vapor Phase SAW
HCA 002	CDA 715	4536	53.323	0.0480	1.94	60 C Vapor Phase SAW
HCA 003	CDA 715	4536	53.039	0.0673	2.74	60 C Vapor Phase SAW
HCA 004	CDA 715	4536	53.136	4.2705	173.61	60 C Aqueous Phase SAW
HCA 005	CDA 715	4536	52.731	4.4611	182.76	60 C Aqueous Phase SAW
HCA 006	CDA 715	4536	52.284	4.4947	185.71	60 C Aqueous Phase SAW
HCG 001	CDA 715	4536	51.596	0.0692	2.90	60 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 19-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HCG 002	CDA 715	4536	51.491	0.0965	4.05	60 C Vapor Phase SAW
HCG 003	CDA 715	4536	51.238	0.1240	5.23	60 C Vapor Phase SAW
HCG 004	CDA 715	4536	51.478	4.4934	188.56	60 C Aqueous Phase SAW
HCG 005	CDA 715	4536	51.522	4.5945	192.64	60 C Aqueous Phase SAW
HCG 006	CDA 715	4536	51.880	5.0990	212.32	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 18-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GCA 037	Monel 400	8760	52.286	0.1080	2.35	90 C Vapor Phase SAW
GCA 038	Monel 400	8760	52.253	0.1132	2.46	90 C Vapor Phase SAW
GCA 039	Monel 400	8760	52.271	0.1074	2.33	90 C Vapor Phase SAW
GCA 040	Monel 400	8760	52.160	1.4891	32.44	90 C Aqueous Phase SAW
GCA 041	Monel 400	8760	51.956	1.5235	33.32	90 C Aqueous Phase SAW
GCA 042	Monel 400	8760	52.107	1.5811	34.48	90 C Aqueous Phase SAW
GCF 037	Monel 400	8760	50.925	0.1333	2.97	90 C Vapor Phase SAW
GCF 038	Monel 400	8760	50.887	0.1323	2.95	90 C Vapor Phase SAW
GCF 039	Monel 400	8760	51.232	0.1263	2.80	90 C Vapor Phase SAW
GCF 040	Monel 400	8760	50.795	3.1933	71.44	90 C Aqueous Phase SAW
GCF 041	Monel 400	8760	51.270	3.4558	76.59	90 C Aqueous Phase SAW
GCF 042	Monel 400	8760	51.457	3.7458	82.72	90 C Aqueous Phase SAW
HCA 037	CDA 715	8760	53.402	0.4103	8.59	90 C Vapor Phase SAW
HCA 038	CDA 715	8760	53.437	0.3852	8.06	90 C Vapor Phase SAW
HCA 039	CDA 715	8760	52.882	0.4099	8.67	90 C Vapor Phase SAW
HCA 040	CDA 715	8760	51.838	7.8630	169.67	90 C Aqueous Phase SAW
HCA 041	CDA 715	8760	53.067	11.3696	239.65	90 C Aqueous Phase SAW
HCA 042	CDA 715	8760	52.742	10.5725	224.23	90 C Aqueous Phase SAW
HCG 037	CDA 715	8760	51.837	0.4667	10.07	90 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 18-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HCG 038	CDA 715	8760	51.794	0.3938	8.50	90 C Vapor Phase SAW
HCG 039	CDA 715	8760	51.559	0.2787	6.05	90 C Vapor Phase SAW
HCG 040	CDA 715	8760	51.784	10.4589	225.92	90 C Aqueous Phase SAW
HCG 041	CDA 715	8760	51.523	11.1313	241.66	90 C Aqueous Phase SAW
HCG 042	CDA 715	8760	51.637	10.9110	236.36	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 18-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
GCA 031	Monel 400	4392	52.294	0.0583	2.53	90 C Vapor Phase SAW
GCA 032	Monel 400	4392	52.119	0.0714	3.11	90 C Vapor Phase SAW
GCA 033	Monel 400	4392	52.188	0.0689	2.99	90 C Vapor Phase SAW
GCA 034	Monel 400	4392	52.214	1.3834	60.05	90 C Aqueous Phase SAW
GCA 035	Monel 400	4392	52.145	1.4217	61.79	90 C Aqueous Phase SAW
GCA 036	Monel 400	4392	52.440	1.4913	64.46	90 C Aqueous Phase SAW
GCF 031	Monel 400	4392	50.447	0.0879	3.95	90 C Vapor Phase SAW
GCF 032	Monel 400	4392	50.602	0.0936	4.19	90 C Vapor Phase SAW
GCF 033	Monel 400	4392	50.075	0.0808	3.66	90 C Vapor Phase SAW
GCF 034	Monel 400	4392	50.462	2.8835	129.51	90 C Aqueous Phase SAW
GCF 035	Monel 400	4392	50.796	2.8827	128.63	90 C Aqueous Phase SAW
GCF 036	Monel 400	4392	51.056	3.1031	137.75	90 C Aqueous Phase SAW
HCA 031	CDA 715	4392	52.775	0.2102	8.89	90 C Vapor Phase SAW
HCA 032	CDA 715	4392	53.159	0.2388	10.02	90 C Vapor Phase SAW
HCA 033	CDA 715	4392	53.270	0.2724	11.41	90 C Vapor Phase SAW
HCA 034	CDA 715	4392	53.485	5.6175	234.32	90 C Aqueous Phase SAW
HCA 035	CDA 715	4392	53.282	5.6138	235.06	90 C Aqueous Phase SAW
HCA 036	CDA 715	4392	53.266	6.0580	253.73	90 C Aqueous Phase SAW
HCG 031	CDA 715	4392	51.649	0.2843	12.28	90 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 18-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
HCG 032	CDA 715	4392	51.408	0.2661	11.55	90 C Vapor Phase SAW
HCG 033	CDA 715	4392	51.627	0.2507	10.83	90 C Vapor Phase SAW
HCG 034	CDA 715	4392	51.060	7.0815	309.42	90 C Aqueous Phase SAW
HCG 035	CDA 715	4392	51.935	7.0810	304.18	90 C Aqueous Phase SAW
HCG 036	CDA 715	4392	51.826	7.5893	326.71	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ACA 001	1825	4296	52.003	-0.0003	-0.01	60 C Vapor Phase SAW
ACA 002	1825	4296	52.189	0.0009	0.04	60 C Vapor Phase SAW
ACA 003	1825	4296	52.180	0.0015	0.07	60 C Vapor Phase SAW
ACA 004	1825	4296	52.252	0.0526	2.52	60 C Aqueous Phase SAW
ACA 005	1825	4296	52.317	0.0275	1.32	60 C Aqueous Phase SAW
ACA 006	1825	4296	52.224	0.0091	0.44	60 C Aqueous Phase SAW
ACB 001	1825	4296	52.104	0.0013	0.06	60 C Vapor Phase SAW
ACB 002	1825	4296	51.896	0.0019	0.09	60 C Vapor Phase SAW
ACB 003	1825	4296	51.073	0.0012	0.06	60 C Vapor Phase SAW
ACB 004	1825	4296	51.879	0.0497	2.40	60 C Aqueous Phase SAW
ACB 005	1825	4296	51.089	0.0035	0.17	60 C Aqueous Phase SAW
ACB 006	1825	4296	51.696	0.0017	0.08	60 C Aqueous Phase SAW
BCA 001	G3	4296	52.435	0.0017	0.08	60 C Vapor Phase SAW
BCA 002	G3	4296	52.274	0.0016	0.08	60 C Vapor Phase SAW
BCA 003	G3	4296	52.507	0.0026	0.12	60 C Vapor Phase SAW
BCA 004	G3	4296	52.440	0.0016	0.08	60 C Aqueous Phase SAW
BCA 005	G3	4296	51.649	0.0014	0.07	60 C Aqueous Phase SAW
BCA 006	G3	4296	52.416	0.0016	0.08	60 C Aqueous Phase SAW
BCC 001	G3	4296	52.272	0.0013	0.06	60 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BCC 002	G3	4296	52.256	0.0012	0.06	60 C Vapor Phase SAW
BCC 003	G3	4296	52.330	0.0010	0.05	60 C Vapor Phase SAW
BCC 004	G3	4296	51.935	0.0020	0.09	60 C Aqueous Phase SAW
BCC 005	G3	4296	52.612	0.0014	0.07	60 C Aqueous Phase SAW
BCC 006	G3	4296	52.434	0.0009	0.04	60 C Aqueous Phase SAW
CCA 001	C4	4296	52.022	0.0035	0.16	60 C Vapor Phase SAW
CCA 002	C4	4296	51.911	0.0015	0.07	60 C Vapor Phase SAW
CCA 003	C4	4296	52.034	0.0024	0.11	60 C Vapor Phase SAW
CCA 004	C4	4296	51.993	0.0028	0.13	60 C Aqueous Phase SAW
CCA 005	C4	4296	51.951	0.0022	0.10	60 C Aqueous Phase SAW
CCA 006	C4	4296	52.071	0.0024	0.11	60 C Aqueous Phase SAW
CCB 001	C4	4296	51.266	0.0025	0.12	60 C Vapor Phase SAW
CCB 002	C4	4296	51.257	0.0020	0.09	60 C Vapor Phase SAW
CCB 003	C4	4296	50.696	0.0024	0.11	60 C Vapor Phase SAW
CCB 004	C4	4296	51.039	0.0043	0.20	60 C Aqueous Phase SAW
CCB 005	C4	4296	50.664	0.0030	0.14	60 C Aqueous Phase SAW
CCB 006	C4	4296	51.001	0.0027	0.13	60 C Aqueous Phase SAW
DCA 001	C22	4296	52.518	0.0019	0.09	60 C Vapor Phase SAW
DCA 002	C22	4296	52.642	0.0025	0.11	60 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DCA 003	C22	4296	52.355	0.0017	0.08	60 C Vapor Phase SAW
DCA 004	C22	4296	52.570	0.0023	0.10	60 C Aqueous Phase SAW
DCA 005	C22	4296	52.642	0.0018	0.08	60 C Aqueous Phase SAW
DCA 006	C22	4296	52.883	0.0026	0.12	60 C Aqueous Phase SAW
DCB 001	C22	4296	50.710	0.0006	0.03	60 C Vapor Phase SAW
DCB 002	C22	4296	50.632	0.0004	0.02	60 C Vapor Phase SAW
DCB 003	C22	4296	50.950	0.0002	0.01	60 C Vapor Phase SAW
DCB 004	C22	4296	50.624	0.0014	0.07	60 C Aqueous Phase SAW
DCB 005	C22	4296	50.205	0.0014	0.07	60 C Aqueous Phase SAW
DCB 006	C22	4296	50.378	0.0010	0.05	60 C Aqueous Phase SAW
ECA 001	Ti Grade 12	4296	52.244	0.0567	5.00	60 C Vapor Phase SAW
ECA 002	Ti Grade 12	4296	53.564	0.0555	4.77	60 C Vapor Phase SAW
ECA 003	Ti Grade 12	4296	50.303	0.0936	8.56	60 C Vapor Phase SAW
ECA 004	Ti Grade 12	4296	51.921	0.0855	7.58	60 C Aqueous Phase SAW
ECA 005	Ti Grade 12	4296	52.941	0.0649	5.64	60 C Aqueous Phase SAW
ECA 006	Ti Grade 12	4296	49.193	0.0812	7.60	60 C Aqueous Phase SAW
ECD 001	Ti Grade 12	4296	53.587	0.0567	4.87	60 C Vapor Phase SAW
ECD 002	Ti Grade 12	4296	53.692	0.0445	3.81	60 C Vapor Phase SAW
ECD 003	Ti Grade 12	4296	53.931	0.0880	7.51	60 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ECD 004	Ti Grade 12	4296	53.737	0.0278	2.38	60 C Aqueous Phase SAW
ECD 005	Ti Grade 12	4296	53.570	0.0297	2.55	60 C Aqueous Phase SAW
ECD 006	Ti Grade 12	4296	53.758	0.0312	2.67	60 C Aqueous Phase SAW
FCA 001	Ti Grade 16	4296	52.530	0.1175	10.09	60 C Vapor Phase SAW
FCA 002	Ti Grade 16	4296	52.016	0.0450	3.90	60 C Vapor Phase SAW
FCA 003	Ti Grade 16	4296	52.471	0.0449	3.86	60 C Vapor Phase SAW
FCA 004	Ti Grade 16	4296	52.776	0.0415	3.55	60 C Aqueous Phase SAW
FCA 005	Ti Grade 16	4296	52.541	0.0563	4.83	60 C Aqueous Phase SAW
FCA 006	Ti Grade 16	4296	52.387	0.0417	3.59	60 C Aqueous Phase SAW
FCE 001	Ti Grade 16	4296	51.856	0.0679	5.91	60 C Vapor Phase SAW
FCE 002	Ti Grade 16	4296	51.572	0.0897	7.85	60 C Vapor Phase SAW
FCE 003	Ti Grade 16	4296	51.842	0.0588	5.12	60 C Vapor Phase SAW
FCE 004	Ti Grade 16	4296	51.341	0.0397	3.49	60 C Aqueous Phase SAW
FCE 005	Ti Grade 16	4296	51.828	0.0182	1.58	60 C Aqueous Phase SAW
FCE 006	Ti Grade 16	4296	51.837	0.0249	2.17	60 C Aqueous Phase SAW
LCA 001	Inconel 625	4296	52.180	-0.0001	0.00	60 C Vapor Phase SAW
LCA 002	Inconel 625	4296	51.520	0.0001	0.00	60 C Vapor Phase SAW
LCA 003	Inconel 625	4296	52.374	0.0183	0.84	60 C Vapor Phase SAW
LCA 004	Inconel 625	4296	51.664	0.0018	0.08	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCA 005	Inconel 625	4296	52.042	0.0007	0.03	60 C Aqueous Phase SAW
LCA 006	Inconel 625	4296	52.130	0.0007	0.03	60 C Aqueous Phase SAW
LCJ 001	Inconel 625	4296	51.208	-0.0004	-0.02	60 C Vapor Phase SAW
LCJ 002	Inconel 625	4296	50.521	-0.0003	-0.01	60 C Vapor Phase SAW
LCJ 003	Inconel 625	4296	51.452	-0.0003	-0.01	60 C Vapor Phase SAW
LCJ 004	Inconel 625	4296	51.587	0.0007	0.03	60 C Aqueous Phase SAW
LCJ 005	Inconel 625	4296	51.440	0.0011	0.05	60 C Aqueous Phase SAW
LCJ 006	Inconel 625	4296	51.117	0.0016	0.08	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DCA 007	C22	8376	51.988	0.0018	0.04	60 C Vapor Phase SAW
DCA 008	C22	8376	52.691	0.0022	0.05	60 C Vapor Phase SAW
DCA 009	C22	8376	52.398	0.0038	0.09	60 C Vapor Phase SAW
DCA 010	C22	8376	52.868	0.0022	0.05	60 C Aqueous Phase SAW
DCA 011	C22	8376	52.761	0.0018	0.04	60 C Aqueous Phase SAW
DCA 012	C22	8376	52.500	0.0021	0.05	60 C Aqueous Phase SAW
DCB 007	C22	8376	50.795	0.0010	0.02	60 C Vapor Phase SAW
DCB 008	C22	8376	50.083	0.0011	0.03	60 C Vapor Phase SAW
DCB 009	C22	8376	50.252	0.0012	0.03	60 C Vapor Phase SAW
DCB 010	C22	8376	51.334	0.0041	0.10	60 C Aqueous Phase SAW
DCB 011	C22	8376	50.647	0.0015	0.04	60 C Aqueous Phase SAW
DCB 012	C22	8376	50.329	0.0019	0.05	60 C Aqueous Phase SAW
LCA 007	Inconel 625	8376	51.589	0.0011	0.03	60 C Vapor Phase SAW
LCA 008	Inconel 625	8376	51.438	0.0002	0.00	60 C Vapor Phase SAW
LCA 009	Inconel 625	8376	52.398	0.0007	0.02	60 C Vapor Phase SAW
LCA 010	Inconel 625	8376	50.907	0.0014	0.03	60 C Aqueous Phase SAW
LCA 011	Inconel 625	8376	52.279	0.0012	0.03	60 C Aqueous Phase SAW
LCA 012	Inconel 625	8376	52.525	0.0008	0.02	60 C Aqueous Phase SAW
LCJ 007	Inconel 625	8376	51.421	0.0004	0.01	60 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 25-2

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCJ 008	Inconel 625	8376	51.614	0.0007	0.02	60 C Vapor Phase SAW
LCJ 009	Inconel 625	8376	51.361	0.0009	0.02	60 C Vapor Phase SAW
LCJ 010	Inconel 625	8376	51.166	0.0015	0.04	60 C Aqueous Phase SAW
LCJ 011	Inconel 625	8376	51.343	0.0024	0.06	60 C Aqueous Phase SAW
LCJ 012	Inconel 625	8376	51.266	0.0019	0.05	60 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 26-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
ACA 031	1825	4344	52.447	0.0029	0.14	90 C Vapor Phase SAW
ACA 032	1825	4344	51.808	0.0017	0.08	90 C Vapor Phase SAW
ACA 033	1825	4344	52.521	0.0015	0.07	90 C Vapor Phase SAW
ACA 034	1825	4344	52.796	0.0634	2.97	90 C Aqueous Phase SAW
ACA 035	1825	4344	51.897	0.0571	2.73	90 C Aqueous Phase SAW
ACA 036	1825	4344	51.832	0.0670	3.20	90 C Aqueous Phase SAW
ACB 031	1825	4344	51.846	0.0010	0.05	90 C Vapor Phase SAW
ACB 032	1825	4344	52.083	0.0019	0.09	90 C Vapor Phase SAW
ACB 033	1825	4344	51.292	0.0015	0.07	90 C Vapor Phase SAW
ACB 034	1825	4344	51.148	0.0427	2.07	90 C Aqueous Phase SAW
ACB 035	1825	4344	51.895	0.0281	1.34	90 C Aqueous Phase SAW
ACB 036	1825	4344	52.670	0.0476	2.24	90 C Aqueous Phase SAW
BCA 031	G3	4344	52.701	0.0020	0.09	90 C Vapor Phase SAW
BCA 032	G3	4344	51.762	0.0008	0.04	90 C Vapor Phase SAW
BCA 033	G3	4344	52.617	0.0018	0.08	90 C Vapor Phase SAW
BCA 034	G3	4344	51.678	0.0031	0.15	90 C Aqueous Phase SAW
BCA 035	G3	4344	51.868	0.0022	0.10	90 C Aqueous Phase SAW
BCA 036	G3	4344	52.549	0.0016	0.07	90 C Aqueous Phase SAW
BCC 031	G3	4344	52.538	0.0006	0.03	90 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BCC 032	G3	4344	52.740	0.0012	0.06	90 C Vapor Phase SAW
BCC 033	G3	4344	52.363	0.0013	0.06	90 C Vapor Phase SAW
BCC 034	G3	4344	52.845	0.0013	0.06	90 C Aqueous Phase SAW
BCC 035	G3	4344	52.377	0.0011	0.05	90 C Aqueous Phase SAW
BCC 036	G3	4344	52.608	0.0223	1.03	90 C Aqueous Phase SAW
CCA 031	C4	4344	52.302	0.0009	0.04	90 C Vapor Phase SAW
CCA 032	C4	4344	50.779	0.0008	0.04	90 C Vapor Phase SAW
CCA 033	C4	4344	51.456	0.0005	0.02	90 C Vapor Phase SAW
CCA 034	C4	4344	51.392	0.0058	0.26	90 C Aqueous Phase SAW
CCA 035	C4	4344	51.429	0.0048	0.22	90 C Aqueous Phase SAW
CCA 036	C4	4344	51.332	0.0057	0.26	90 C Aqueous Phase SAW
CCB 031	C4	4344	51.948	0.0042	0.19	90 C Vapor Phase SAW
CCB 032	C4	4344	51.189	0.0018	0.08	90 C Vapor Phase SAW
CCB 033	C4	4344	50.548	0.0012	0.06	90 C Vapor Phase SAW
CCB 034	C4	4344	51.296	0.0036	0.16	90 C Aqueous Phase SAW
CCB 035	C4	4344	50.859	0.0035	0.16	90 C Aqueous Phase SAW
CCB 036	C4	4344	52.051	0.0047	0.21	90 C Aqueous Phase SAW
DCA 031	C22	4344	52.637	0.0017	0.08	90 C Vapor Phase SAW
DCA 032	C22	4344	51.561	0.0012	0.05	90 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 26-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
DCA 033	C22	4344	52.828	0.0022	0.10	90 C Vapor Phase SAW
DCA 034	C22	4344	52.653	0.0055	0.24	90 C Aqueous Phase SAW
DCA 035	C22	4344	52.624	0.0164	0.73	90 C Aqueous Phase SAW
DCA 036	C22	4344	52.026	0.0039	0.18	90 C Aqueous Phase SAW
DCB 031	C22	4344	50.396	0.0011	0.05	90 C Vapor Phase SAW
DCB 032	C22	4344	50.210	0.0010	0.05	90 C Vapor Phase SAW
DCB 033	C22	4344	50.454	0.0015	0.07	90 C Vapor Phase SAW
DCB 034	C22	4344	50.252	0.0000	0.00	90 C Aqueous Phase SAW
DCB 035	C22	4344	50.700	0.0009	0.04	90 C Aqueous Phase SAW
DCB 036	C22	4344	50.294	0.0023	0.11	90 C Aqueous Phase SAW
ECA 031	Ti Grade 12	4344	53.014	0.1173	10.07	90 C Vapor Phase SAW
ECA 032	Ti Grade 12	4344	53.150	0.0934	8.00	90 C Vapor Phase SAW
ECA 033	Ti Grade 12	4344	53.688	0.0477	4.04	90 C Vapor Phase SAW
ECA 034	Ti Grade 12	4344	53.741	0.0063	0.53	90 C Aqueous Phase SAW
ECA 035	Ti Grade 12	4344	50.804	0.0501	4.49	90 C Aqueous Phase SAW
ECA 036	Ti Grade 12	4344	50.380	0.0583	5.27	90 C Aqueous Phase SAW
ECD 031	Ti Grade 12	4344	53.622	0.1265	10.74	90 C Vapor Phase SAW
ECD 032	Ti Grade 12	4344	53.449	0.0797	6.79	90 C Vapor Phase SAW
ECD 033	Ti Grade 12	4344	53.930	0.1362	11.50	90 C Vapor Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ECD 034	Ti Grade 12	4344	53.961	0.0804	6.78	90 C Aqueous Phase SAW
ECD 035	Ti Grade 12	4344	53.608	0.0468	3.97	90 C Aqueous Phase SAW
ECD 036	Ti Grade 12	4344	53.917	0.0478	4.04	90 C Aqueous Phase SAW
FCA 031	Ti Grade 16	4344	52.253	0.0541	4.62	90 C Vapor Phase SAW
FCA 032	Ti Grade 16	4344	52.425	0.0575	4.89	90 C Vapor Phase SAW
FCA 033	Ti Grade 16	4344	52.127	0.0793	6.79	90 C Vapor Phase SAW
FCA 034	Ti Grade 16	4344	51.984	0.0216	1.85	90 C Aqueous Phase SAW
FCA 035	Ti Grade 16	4344	52.376	0.0186	1.58	90 C Aqueous Phase SAW
FCA 036	Ti Grade 16	4344	52.294	0.0322	2.75	90 C Aqueous Phase SAW
FCE 031	Ti Grade 16	4344	51.893	0.0580	4.99	90 C Vapor Phase SAW
FCE 032	Ti Grade 16	4344	51.741	0.0649	5.60	90 C Vapor Phase SAW
FCE 033	Ti Grade 16	4344	50.798	0.0508	4.46	90 C Vapor Phase SAW
FCE 034	Ti Grade 16	4344	50.923	0.0322	2.82	90 C Aqueous Phase SAW
FCE 035	Ti Grade 16	4344	51.809	0.0409	3.52	90 C Aqueous Phase SAW
FCE 036	Ti Grade 16	4344	51.172	0.0289	2.52	90 C Aqueous Phase SAW
LCA 031	Inconel 625	4344	52.868	-0.0001	0.00	90 C Vapor Phase SAW
LCA 032	Inconel 625	4344	52.171	0.0013	0.06	90 C Vapor Phase SAW
LCA 033	Inconel 625	4344	52.211	-0.0001	0.00	90 C Vapor Phase SAW
LCA 034	Inconel 625	4344	52.436	0.0002	0.01	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 26-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCA 035	Inconel 625	4344	52.485	0.0005	0.02	90 C Aqueous Phase SAW
LCA 036	Inconel 625	4344	52.360	0.0000	0.00	90 C Aqueous Phase SAW
LCJ 031	Inconel 625	4344	51.568	0.0001	0.00	90 C Vapor Phase SAW
LCJ 032	Inconel 625	4344	51.531	0.0007	0.03	90 C Vapor Phase SAW
LCJ 033	Inconel 625	4344	51.668	0.0004	0.02	90 C Vapor Phase SAW
LCJ 034	Inconel 625	4344	51.473	0.0007	0.03	90 C Aqueous Phase SAW
LCJ 035	Inconel 625	4344	51.418	0.0000	0.00	90 C Aqueous Phase SAW
LCJ 036	Inconel 625	4344	50.410	-0.0006	-0.03	90 C Aqueous Phase SAW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ACA 061	I825	4392	52.755	0.0013	0.06	60 C Vapor Phase SCW
ACA 062	I825	4392	51.584	0.0014	0.07	60 C Vapor Phase SCW
ACA 063	I825	4392	52.651	0.0015	0.07	60 C Vapor Phase SCW
ACA 064	I825	4392	51.905	0.0012	0.06	60 C Aqueous Phase SCW
ACA 065	I825	4392	52.662	0.0023	0.11	60 C Aqueous Phase SCW
ACA 066	I825	4392	52.406	0.0018	0.08	60 C Aqueous Phase SCW
ACB 061	I825	4392	52.251	0.0010	0.05	60 C Vapor Phase SCW
ACB 062	I825	4392	51.994	0.0014	0.07	60 C Vapor Phase SCW
ACB 063	I825	4392	51.621	0.0015	0.07	60 C Vapor Phase SCW
ACB 064	I825	4392	51.750	0.0020	0.09	60 C Aqueous Phase SCW
ACB 065	I825	4392	51.928	0.0033	0.16	60 C Aqueous Phase SCW
ACB 066	I825	4392	51.970	0.0016	0.08	60 C Aqueous Phase SCW
BCA 061	G3	4392	52.228	0.0018	0.08	60 C Vapor Phase SCW
BCA 062	G3	4392	52.635	0.0017	0.08	60 C Vapor Phase SCW
BCA 063	G3	4392	51.984	0.0012	0.06	60 C Vapor Phase SCW
BCA 064	G3	4392	52.862	0.0042	0.19	60 C Aqueous Phase SCW
BCA 065	G3	4392	52.669	0.0037	0.17	60 C Aqueous Phase SCW
BCA 066	G3	4392	51.430	0.0031	0.15	60 C Aqueous Phase SCW
BCC 061	G3	4392	52.335	0.0019	0.09	60 C Vapor Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BCC 062	G3	4392	52.309	0.0016	0.07	60 C Vapor Phase SCW
BCC 063	G3	4392	52.101	0.0013	0.06	60 C Vapor Phase SCW
BCC 064	G3	4392	52.665	0.0022	0.10	60 C Aqueous Phase SCW
BCC 065	G3	4392	51.883	0.0020	0.09	60 C Aqueous Phase SCW
BCC 066	G3	4392	52.016	0.0026	0.12	60 C Aqueous Phase SCW
CCA 061	C4	4392	51.459	0.0022	0.10	60 C Vapor Phase SCW
CCA 062	C4	4392	52.084	0.0017	0.08	60 C Vapor Phase SCW
CCA 063	C4	4392	52.166	0.0019	0.08	60 C Vapor Phase SCW
CCA 064	C4	4392	51.895	0.0025	0.11	60 C Aqueous Phase SCW
CCA 065	C4	4392	51.719	0.0024	0.11	60 C Aqueous Phase SCW
CCA 066	C4	4392	51.676	0.0038	0.17	60 C Aqueous Phase SCW
CCB 061	C4	4392	51.755	0.0008	0.04	60 C Vapor Phase SCW
CCB 062	C4	4392	51.626	0.0011	0.05	60 C Vapor Phase SCW
CCB 063	C4	4392	51.394	0.0009	0.04	60 C Vapor Phase SCW
CCB 064	C4	4392	51.471	0.0026	0.12	60 C Aqueous Phase SCW
CCB 065	C4	4392	51.139	0.0026	0.12	60 C Aqueous Phase SCW
CCB 066	C4	4392	51.629	0.0030	0.13	60 C Aqueous Phase SCW
DCA 061	C22	4392	52.388	0.0018	0.08	60 C Vapor Phase SCW
DCA 062	C22	4392	52.480	0.0022	0.10	60 C Vapor Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DCA 063	C22	4392	52.372	0.0023	0.10	60 C Vapor Phase SCW
DCA 064	C22	4392	52.069	0.0022	0.10	60 C Aqueous Phase SCW
DCA 065	C22	4392	51.539	0.0024	0.11	60 C Aqueous Phase SCW
DCA 066	C22	4392	52.605	0.0024	0.11	60 C Aqueous Phase SCW
DCB 061	C22	4392	50.411	0.0012	0.06	60 C Vapor Phase SCW
DCB 062	C22	4392	51.690	0.0023	0.10	60 C Vapor Phase SCW
DCB 063	C22	4392	51.620	0.0025	0.11	60 C Vapor Phase SCW
DCB 064	C22	4392	50.133	0.0028	0.13	60 C Aqueous Phase SCW
DCB 065	C22	4392	50.341	0.0020	0.09	60 C Aqueous Phase SCW
DCB 066	C22	4392	50.409	0.0019	0.09	60 C Aqueous Phase SCW
ECA 061	Ti Grade 12	4392	52.666	0.0948	8.10	60 C Vapor Phase SCW
ECA 062	Ti Grade 12	4392	52.559	0.1051	9.00	60 C Vapor Phase SCW
ECA 063	Ti Grade 12	4392	52.486	0.0789	6.77	60 C Vapor Phase SCW
ECA 064	Ti Grade 12	4392	51.722	0.0861	7.49	60 C Aqueous Phase SCW
ECA 065	Ti Grade 12	4392	52.618	0.0897	7.68	60 C Aqueous Phase SCW
ECA 066	Ti Grade 12	4392	51.504	0.0821	7.18	60 C Aqueous Phase SCW
ECD 061	Ti Grade 12	4392	53.831	0.0884	7.39	60 C Vapor Phase SCW
ECD 062	Ti Grade 12	4392	53.742	0.1104	9.25	60 C Vapor Phase SCW
ECD 063	Ti Grade 12	4392	53.678	0.0684	5.74	60 C Vapor Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ECD 064	Ti Grade 12	4392	53.585	0.0937	7.87	60 C Aqueous Phase SCW
ECD 065	Ti Grade 12	4392	53.867	0.0790	6.60	60 C Aqueous Phase SCW
ECD 066	Ti Grade 12	4392	53.691	0.0815	6.83	60 C Aqueous Phase SCW
FCA 061	Ti Grade 16	4392	52.379	0.0674	5.68	60 C Vapor Phase SCW
FCA 062	Ti Grade 16	4392	52.375	0.0582	4.90	60 C Vapor Phase SCW
FCA 063	Ti Grade 16	4392	52.323	0.0563	4.75	60 C Vapor Phase SCW
FCA 064	Ti Grade 16	4392	52.411	0.0589	4.96	60 C Aqueous Phase SCW
FCA 065	Ti Grade 16	4392	52.901	0.0442	3.69	60 C Aqueous Phase SCW
FCA 066	Ti Grade 16	4392	52.274	0.0559	4.72	60 C Aqueous Phase SCW
FCE 061	Ti Grade 16	4392	51.540	0.2982	25.53	60 C Vapor Phase SCW
FCE 062	Ti Grade 16	4392	51.446	-0.1295	-11.11	60 C Vapor Phase SCW
FCE 063	Ti Grade 16	4392	51.057	0.0429	3.71	60 C Vapor Phase SCW
FCE 064	Ti Grade 16	4392	51.272	0.0398	3.43	60 C Aqueous Phase SCW
FCE 065	Ti Grade 16	4392	51.174	0.0411	3.54	60 C Aqueous Phase SCW
FCE 066	Ti Grade 16	4392	51.104	0.0513	4.43	60 C Aqueous Phase SCW
LCA 061	Inconel 625	4392	52.229	0.0012	0.05	60 C Vapor Phase SCW
LCA 062	Inconel 625	4392	51.787	0.0007	0.03	60 C Vapor Phase SCW
LCA 063	Inconel 625	4392	51.765	0.0013	0.06	60 C Vapor Phase SCW
LCA 064	Inconel 625	4392	52.215	0.0015	0.07	60 C Aqueous Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 27-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCA 065	Inconel 625	4392	52.221	0.0011	0.05	60 C Aqueous Phase SCW
LCA 066	Inconel 625	4392	52.440	0.0018	0.08	60 C Aqueous Phase SCW
LCJ 061	Inconel 625	4392	51.336	0.0006	0.03	60 C Vapor Phase SCW
LCJ 062	Inconel 625	4392	50.854	0.0021	0.10	60 C Vapor Phase SCW
LCJ 063	Inconel 625	4392	51.136	0.0005	0.02	60 C Vapor Phase SCW
LCJ 064	Inconel 625	4392	51.103	0.0017	0.08	60 C Aqueous Phase SCW
LCJ 065	Inconel 625	4392	51.355	0.0014	0.06	60 C Aqueous Phase SCW
LCJ 066	Inconel 625	4392	51.268	0.0022	0.10	60 C Aqueous Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ACA 091	I825	4464	52.425	0.0017	0.08	90 C Vapor Phase SCW
ACA 092	I825	4464	51.837	0.0015	0.07	90 C Vapor Phase SCW
ACA 093	I825	4464	51.983	0.0017	0.08	90 C Vapor Phase SCW
ACA 094	I825	4464	51.999	0.0026	0.12	90 C Aqueous Phase SCW
ACA 095	I825	4464	52.631	0.0023	0.11	90 C Aqueous Phase SCW
ACA 096	I825	4464	51.775	0.0015	0.07	90 C Aqueous Phase SCW
ACB 091	I825	4464	51.609	0.0014	0.07	90 C Vapor Phase SCW
ACB 092	I825	4464	52.166	0.0013	0.06	90 C Vapor Phase SCW
ACB 093	I825	4464	51.599	0.0017	0.08	90 C Vapor Phase SCW
ACB 094	I825	4464	52.293	0.0020	0.09	90 C Aqueous Phase SCW
ACB 095	I825	4464	52.149	0.0025	0.12	90 C Aqueous Phase SCW
ACB 096	I825	4464	52.185	0.0022	0.10	90 C Aqueous Phase SCW
BCA 091	G3	4464	52.205	0.0006	0.03	90 C Vapor Phase SCW
BCA 092	G3	4464	52.134	0.0010	0.05	90 C Vapor Phase SCW
BCA 093	G3	4464	52.360	0.0004	0.02	90 C Vapor Phase SCW
BCA 094	G3	4464	52.294	0.0019	0.09	90 C Aqueous Phase SCW
BCA 095	G3	4464	52.563	0.0027	0.12	90 C Aqueous Phase SCW
BCA 096	G3	4464	52.514	0.0016	0.07	90 C Aqueous Phase SCW
BCC 091	G3	4464	52.043	0.0010	0.05	90 C Vapor Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BCC 092	G3	4464	53.369	0.0007	0.03	90 C Vapor Phase SCW
BCC 093	G3	4464	52.560	0.0008	0.04	90 C Vapor Phase SCW
BCC 094	G3	4464	52.024	0.0029	0.13	90 C Aqueous Phase SCW
BCC 095	G3	4464	52.800	0.0028	0.13	90 C Aqueous Phase SCW
BCC 096	G3	4464	50.965	0.0036	0.17	90 C Aqueous Phase SCW
CCA 091	C4	4464	52.428	0.0007	0.03	90 C Vapor Phase SCW
CCA 092	C4	4464	52.223	0.0004	0.02	90 C Vapor Phase SCW
CCA 093	C4	4464	52.320	0.0010	0.04	90 C Vapor Phase SCW
CCA 094	C4	4464	52.307	0.0026	0.11	90 C Aqueous Phase SCW
CCA 095	C4	4464	52.428	0.0031	0.13	90 C Aqueous Phase SCW
CCA 096	C4	4464	52.406	0.0028	0.12	90 C Aqueous Phase SCW
CCB 091	C4	4464	51.254	0.0005	0.02	90 C Vapor Phase SCW
CCB 092	C4	4464	51.442	0.0002	0.01	90 C Vapor Phase SCW
CCB 093	C4	4464	51.547	0.0009	0.04	90 C Vapor Phase SCW
CCB 094	C4	4464	51.590	0.0024	0.11	90 C Aqueous Phase SCW
CCB 095	C4	4464	51.748	0.0032	0.14	90 C Aqueous Phase SCW
CCB 096	C4	4464	51.369	0.0038	0.17	90 C Aqueous Phase SCW
DCA 091	C22	4464	52.853	0.0016	0.07	90 C Vapor Phase SCW
DCA 092	C22	4464	51.954	0.0011	0.05	90 C Vapor Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DCA 093	C22	4464	52.738	0.0108	0.47	90 C Vapor Phase SCW
DCA 094	C22	4464	52.410	0.0023	0.10	90 C Aqueous Phase SCW
DCA 095	C22	4464	52.396	0.0015	0.07	90 C Aqueous Phase SCW
DCA 096	C22	4464	52.628	0.0033	0.14	90 C Aqueous Phase SCW
DCB 091	C22	4464	51.482	0.0000	0.00	90 C Vapor Phase SCW
DCB 092	C22	4464	51.394	0.0006	0.03	90 C Vapor Phase SCW
DCB 093	C22	4464	51.210	0.0009	0.04	90 C Vapor Phase SCW
DCB 094	C22	4464	51.110	0.0015	0.07	90 C Aqueous Phase SCW
DCB 095	C22	4464	51.910	0.0057	0.25	90 C Aqueous Phase SCW
DCB 096	C22	4464	51.529	0.0023	0.10	90 C Aqueous Phase SCW
ECA 091	Ti Grade 12	4464	52.764	0.1209	10.15	90 C Vapor Phase SCW
ECA 092	Ti Grade 12	4464	52.768	0.0921	7.73	90 C Vapor Phase SCW
ECA 093	Ti Grade 12	4464	52.758	0.0739	6.20	90 C Vapor Phase SCW
ECA 094	Ti Grade 12	4464	52.279	0.4216	35.72	90 C Aqueous Phase SCW
ECA 095	Ti Grade 12	4464	51.135	0.0804	6.96	90 C Aqueous Phase SCW
ECA 096	Ti Grade 12	4464	51.859	0.0901	7.70	90 C Aqueous Phase SCW
ECD 091	Ti Grade 12	4464	52.792	0.0696	5.84	90 C Vapor Phase SCW
ECD 092	Ti Grade 12	4464	53.930	0.0682	5.60	90 C Vapor Phase SCW
ECD 093	Ti Grade 12	4464	53.933	0.0962	7.90	90 C Vapor Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ECD 094	Ti Grade 12	4464	54.036	0.0842	6.90	90 C Aqueous Phase SCW
ECD 095	Ti Grade 12	4464	53.490	0.0995	8.24	90 C Aqueous Phase SCW
ECD 096	Ti Grade 12	4464	53.710	0.0939	7.74	90 C Aqueous Phase SCW
FCA 091	Ti Grade 16	4464	52.637	0.0902	7.44	90 C Vapor Phase SCW
FCA 092	Ti Grade 16	4464	52.871	0.1321	10.85	90 C Vapor Phase SCW
FCA 093	Ti Grade 16	4464	52.592	0.1158	9.56	90 C Vapor Phase SCW
FCA 094	Ti Grade 16	4464	52.891	0.0800	6.57	90 C Aqueous Phase SCW
FCA 095	Ti Grade 16	4464	52.427	0.0811	6.72	90 C Aqueous Phase SCW
FCA 096	Ti Grade 16	4464	52.494	0.1044	8.63	90 C Aqueous Phase SCW
FCE 091	Ti Grade 16	4464	50.651	0.0812	6.96	90 C Vapor Phase SCW
FCE 092	Ti Grade 16	4464	50.942	0.0874	7.45	90 C Vapor Phase SCW
FCE 093	Ti Grade 16	4464	51.621	0.0791	6.65	90 C Vapor Phase SCW
FCE 094	Ti Grade 16	4464	51.387	0.0742	6.27	90 C Aqueous Phase SCW
FCE 095	Ti Grade 16	4464	51.133	0.0625	5.31	90 C Aqueous Phase SCW
FCE 096	Ti Grade 16	4464	51.559	0.0706	5.94	90 C Aqueous Phase SCW
LCA 091	Inconel 625	4464	51.107	0.0004	0.02	90 C Vapor Phase SCW
LCA 092	Inconel 625	4464	52.109	0.0002	0.01	90 C Vapor Phase SCW
LCA 093	Inconel 625	4464	52.367	0.0011	0.05	90 C Vapor Phase SCW
LCA 094	Inconel 625	4464	52.709	0.0025	0.11	90 C Aqueous Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 28-1

<i>Sample Identification</i>	<i>Allov</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCA 095	Inconel 625	4464	52.492	0.0022	0.10	90 C Aqueous Phase SCW
LCA 096	Inconel 625	4464	52.405	0.0055	0.24	90 C Aqueous Phase SCW
LCJ 091	Inconel 625	4464	51.379	0.0002	0.01	90 C Vapor Phase SCW
LCJ 092	Inconel 625	4464	51.497	0.0006	0.03	90 C Vapor Phase SCW
LCJ 093	Inconel 625	4464	51.340	0.0004	0.02	90 C Vapor Phase SCW
LCJ 094	Inconel 625	4464	51.468	0.0013	0.06	90 C Aqueous Phase SCW
LCJ 095	Inconel 625	4464	51.468	0.0015	0.07	90 C Aqueous Phase SCW
LCJ 096	Inconel 625	4464	51.205	0.0026	0.12	90 C Aqueous Phase SCW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 29-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
ACA 121	I825	4464	51.925	0.0021	0.10	60 C Vapor Phase SDW
ACA 122	I825	4464	52.436	0.0023	0.11	60 C Vapor Phase SDW
ACA 123	I825	4464	52.459	0.0014	0.06	60 C Vapor Phase SDW
ACA 124	I825	4464	52.497	0.0016	0.07	60 C Aqueous Phase SDW
ACA 125	I825	4464	52.206	0.0022	0.10	60 C Aqueous Phase SDW
ACA 126	I825	4464	52.536	0.0019	0.09	60 C Aqueous Phase SDW
ACB 121	I825	4464	52.060	0.0014	0.06	60 C Vapor Phase SDW
ACB 122	I825	4464	51.580	0.0015	0.07	60 C Vapor Phase SDW
ACB 123	I825	4464	51.584	0.0020	0.09	60 C Vapor Phase SDW
ACB 124	I825	4464	51.360	0.0018	0.08	60 C Aqueous Phase SDW
ACB 125	I825	4464	51.734	0.0014	0.07	60 C Aqueous Phase SDW
ACB 126	I825	4464	51.718	0.0015	0.07	60 C Aqueous Phase SDW
BCA 121	G3	4464	51.883	0.0015	0.07	60 C Vapor Phase SDW
BCA 122	G3	4464	52.562	0.0025	0.11	60 C Vapor Phase SDW
BCA 123	G3	4464	51.846	0.0016	0.07	60 C Vapor Phase SDW
BCA 124	G3	4464	52.411	0.0010	0.05	60 C Aqueous Phase SDW
BCA 125	G3	4464	51.997	0.0016	0.07	60 C Aqueous Phase SDW
BCA 126	G3	4464	52.453	0.0017	0.08	60 C Aqueous Phase SDW
BCC 121	G3	4464	52.438	0.0013	0.06	60 C Vapor Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 29-1

Sample Identification	Alloy	Lag Time (hours)	Surface Area (sq cm)	Weight Loss (g)	Corrosion Rate (microns/year)	Test Environment
BCC 122	G3	4464	51.838	0.0009	0.04	60 C Vapor Phase SDW
BCC 123	G3	4464	52.324	0.0017	0.08	60 C Vapor Phase SDW
BCC 124	G3	4464	52.207	0.0012	0.05	60 C Aqueous Phase SDW
BCC 125	G3	4464	52.186	0.0017	0.08	60 C Aqueous Phase SDW
BCC 126	G3	4464	52.593	0.0013	0.06	60 C Aqueous Phase SDW
CCA 121	C4	4464	52.450	0.0011	0.05	60 C Vapor Phase SDW
CCA 122	C4	4464	51.972	0.0007	0.03	60 C Vapor Phase SDW
CCA 123	C4	4464	52.177	0.0017	0.07	60 C Vapor Phase SDW
CCA 124	C4	4464	52.139	0.0009	0.04	60 C Aqueous Phase SDW
CCA 125	C4	4464	52.349	0.0014	0.06	60 C Aqueous Phase SDW
CCA 126	C4	4464	52.205	0.0008	0.03	60 C Aqueous Phase SDW
CCB 121	C4	4464	51.659	0.0012	0.05	60 C Vapor Phase SDW
CCB 122	C4	4464	50.701	0.0009	0.04	60 C Vapor Phase SDW
CCB 123	C4	4464	51.236	0.0014	0.06	60 C Vapor Phase SDW
CCB 124	C4	4464	51.731	0.0016	0.07	60 C Aqueous Phase SDW
CCB 125	C4	4464	51.464	0.0013	0.06	60 C Aqueous Phase SDW
CCB 126	C4	4464	51.539	0.0010	0.04	60 C Aqueous Phase SDW
DCA 121	C22	4464	52.491	0.0022	0.10	60 C Vapor Phase SDW
DCA 122	C22	4464	52.547	0.0017	0.07	60 C Vapor Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 29-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DCA 123	C22	4464	52.639	0.0020	0.09	60 C Vapor Phase SDW
DCA 124	C22	4464	52.688	0.0020	0.09	60 C Aqueous Phase SDW
DCA 125	C22	4464	52.558	0.0015	0.07	60 C Aqueous Phase SDW
DCA 126	C22	4464	52.651	0.0013	0.06	60 C Aqueous Phase SDW
DCB 121	C22	4464	50.843	0.0016	0.07	60 C Vapor Phase SDW
DCB 122	C22	4464	50.829	0.0019	0.09	60 C Vapor Phase SDW
DCB 123	C22	4464	50.970	0.0020	0.09	60 C Vapor Phase SDW
DCB 124	C22	4464	50.808	0.0022	0.10	60 C Aqueous Phase SDW
DCB 125	C22	4464	50.007	0.0016	0.07	60 C Aqueous Phase SDW
DCB 126	C22	4464	51.726	0.0023	0.10	60 C Aqueous Phase SDW
ECA 121	Ti Grade 12	4464	53.598	0.0721	5.96	60 C Vapor Phase SDW
ECA 122	Ti Grade 12	4464	53.869	0.0551	4.53	60 C Vapor Phase SDW
ECA 123	Ti Grade 12	4464	53.583	0.0493	4.08	60 C Vapor Phase SDW
ECA 124	Ti Grade 12	4464	53.085	0.0677	5.65	60 C Aqueous Phase SDW
ECA 125	Ti Grade 12	4464	53.491	0.0538	4.46	60 C Aqueous Phase SDW
ECA 126	Ti Grade 12	4464	53.664	0.0686	5.66	60 C Aqueous Phase SDW
ECD 121	Ti Grade 12	4464	53.704	0.0619	5.11	60 C Vapor Phase SDW
ECD 122	Ti Grade 12	4464	54.163	0.0685	5.60	60 C Vapor Phase SDW
ECD 123	Ti Grade 12	4464	53.964	0.0966	7.93	60 C Vapor Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 29-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ECD 124	Ti Grade 12	4464	53.362	0.0796	6.61	60 C Aqueous Phase SDW
ECD 125	Ti Grade 12	4464	53.983	0.0642	5.27	60 C Aqueous Phase SDW
ECD 126	Ti Grade 12	4464	53.837	0.0567	4.67	60 C Aqueous Phase SDW
FCA 121	Ti Grade 16	4464	52.824	0.0567	4.66	60 C Vapor Phase SDW
FCA 122	Ti Grade 16	4464	52.519	0.0535	4.42	60 C Vapor Phase SDW
FCA 123	Ti Grade 16	4464	52.824	0.0725	5.96	60 C Vapor Phase SDW
FCA 124	Ti Grade 16	4464	52.656	0.0572	4.72	60 C Aqueous Phase SDW
FCA 125	Ti Grade 16	4464	53.162	0.0634	5.18	60 C Aqueous Phase SDW
FCA 126	Ti Grade 16	4464	52.814	0.0628	5.16	60 C Aqueous Phase SDW
FCE 121	Ti Grade 16	4464	51.418	0.0686	5.79	60 C Vapor Phase SDW
FCE 122	Ti Grade 16	4464	51.509	0.0677	5.71	60 C Vapor Phase SDW
FCE 123	Ti Grade 16	4464	51.897	0.0663	5.55	60 C Vapor Phase SDW
FCE 124	Ti Grade 16	4464	51.255	0.0692	5.86	60 C Aqueous Phase SDW
FCE 125	Ti Grade 16	4464	51.214	0.0457	3.87	60 C Aqueous Phase SDW
FCE 126	Ti Grade 16	4464	51.443	0.0508	4.29	60 C Aqueous Phase SDW
LCA 121	Inconel 625	4464	51.793	0.0004	0.02	60 C Vapor Phase SDW
LCA 122	Inconel 625	4464	52.048	0.0001	0.00	60 C Vapor Phase SDW
LCA 123	Inconel 625	4464	52.116	0.0004	0.02	60 C Vapor Phase SDW
LCA 124	Inconel 625	4464	52.116	0.0003	0.01	60 C Aqueous Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 29-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCA 125	Inconel 625	4464	51.247	0.0006	0.03	60 C Aqueous Phase SDW
LCA 126	Inconel 625	4464	51.781	0.0008	0.04	60 C Aqueous Phase SDW
LCJ 121	Inconel 625	4464	51.162	0.0002	0.01	60 C Vapor Phase SDW
LCJ 122	Inconel 625	4464	50.833	0.0007	0.03	60 C Vapor Phase SDW
LCJ 123	Inconel 625	4464	50.637	-0.0003	-0.01	60 C Vapor Phase SDW
LCJ 124	Inconel 625	4464	51.064	0.0008	0.04	60 C Aqueous Phase SDW
LCJ 125	Inconel 625	4464	51.293	0.0003	0.01	60 C Aqueous Phase SDW
LCJ 126	Inconel 625	4464	50.660	0.0000	0.00	60 C Aqueous Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ACA 157	1825	4392	52.318	0.0011	0.05	90 C Vapor Phase SDW
ACA 158	1825	4392	52.403	0.0012	0.06	90 C Vapor Phase SDW
ACA 159	1825	4392	52.643	0.0018	0.08	90 C Vapor Phase SDW
ACA 160	1825	4392	52.389	0.0010	0.05	90 C Aqueous Phase SDW
ACA 161	1825	4392	52.355	0.0018	0.08	90 C Aqueous Phase SDW
ACA 162	1825	4392	52.781	0.0028	0.13	90 C Aqueous Phase SDW
ACB 157	1825	4392	52.365	0.0010	0.05	90 C Vapor Phase SDW
ACB 158	1825	4392	51.704	0.0010	0.05	90 C Vapor Phase SDW
ACB 159	1825	4392	50.703	0.0011	0.05	90 C Vapor Phase SDW
ACB 160	1825	4392	51.192	0.0012	0.06	90 C Aqueous Phase SDW
ACB 161	1825	4392	52.810	0.0012	0.06	90 C Aqueous Phase SDW
ACB 162	1825	4392	52.633	0.0007	0.03	90 C Aqueous Phase SDW
BCA 157	G3	4392	51.950	0.0012	0.06	90 C Vapor Phase SDW
BCA 158	G3	4392	51.867	0.0021	0.10	90 C Vapor Phase SDW
BCA 159	G3	4392	52.116	0.0018	0.08	90 C Vapor Phase SDW
BCA 160	G3	4392	52.290	0.0019	0.09	90 C Aqueous Phase SDW
BCA 161	G3	4392	52.202	0.0020	0.09	90 C Aqueous Phase SDW
BCA 162	G3	4392	52.318	0.0022	0.10	90 C Aqueous Phase SDW
BCC 157	G3	4392	52.335	0.0019	0.09	90 C Vapor Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
BCC 158	G3	4392	52.182	0.0007	0.03	90 C Vapor Phase SDW
BCC 159	G3	4392	52.548	0.0012	0.06	90 C Vapor Phase SDW
BCC 160	G3	4392	52.600	0.0015	0.07	90 C Aqueous Phase SDW
BCC 161	G3	4392	52.383	0.0009	0.04	90 C Aqueous Phase SDW
BCC 162	G3	4392	52.296	0.0014	0.06	90 C Aqueous Phase SDW
CCA 157	C4	4392	52.156	0.0011	0.05	90 C Vapor Phase SDW
CCA 158	C4	4392	52.319	0.0020	0.09	90 C Vapor Phase SDW
CCA 159	C4	4392	52.235	0.0025	0.11	90 C Vapor Phase SDW
CCA 160	C4	4392	52.238	0.0004	0.02	90 C Aqueous Phase SDW
CCA 161	C4	4392	51.670	0.0013	0.06	90 C Aqueous Phase SDW
CCA 162	C4	4392	51.116	0.0018	0.08	90 C Aqueous Phase SDW
CCB 157	C4	4392	51.432	0.0009	0.04	90 C Vapor Phase SDW
CCB 158	C4	4392	51.080	0.0020	0.09	90 C Vapor Phase SDW
CCB 159	C4	4392	51.057	0.0015	0.07	90 C Vapor Phase SDW
CCB 160	C4	4392	51.295	0.0011	0.05	90 C Aqueous Phase SDW
CCB 161	C4	4392	50.936	0.0014	0.06	90 C Aqueous Phase SDW
CCB 162	C4	4392	51.012	0.0010	0.05	90 C Aqueous Phase SDW
DCA 157	C22	4392	51.972	0.0013	0.06	90 C Vapor Phase SDW
DCA 158	C22	4392	52.264	0.0014	0.06	90 C Vapor Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
DCA 159	C22	4392	52.002	0.0013	0.06	90 C Vapor Phase SDW
DCA 160	C22	4392	51.936	0.0023	0.10	90 C Aqueous Phase SDW
DCA 161	C22	4392	51.831	0.0027	0.12	90 C Aqueous Phase SDW
DCA 162	C22	4392	51.708	0.0011	0.05	90 C Aqueous Phase SDW
DCB 157	C22	4392	50.492	0.0016	0.07	90 C Vapor Phase SDW
DCB 158	C22	4392	50.804	0.0017	0.08	90 C Vapor Phase SDW
DCB 159	C22	4392	51.751	0.0011	0.05	90 C Vapor Phase SDW
DCB 160	C22	4392	50.887	0.0014	0.06	90 C Aqueous Phase SDW
DCB 161	C22	4392	51.689	0.0018	0.08	90 C Aqueous Phase SDW
DCB 162	C22	4392	50.757	0.0009	0.04	90 C Aqueous Phase SDW
ECA 157	Ti Grade 12	4392	52.182	0.0899	7.76	90 C Vapor Phase SDW
ECA 158	Ti Grade 12	4392	52.574	0.0911	7.80	90 C Vapor Phase SDW
ECA 159	Ti Grade 12	4392	52.423	0.1056	9.07	90 C Vapor Phase SDW
ECA 160	Ti Grade 12	4392	52.163	0.0784	6.77	90 C Aqueous Phase SDW
ECA 161	Ti Grade 12	4392	52.581	0.0804	6.88	90 C Aqueous Phase SDW
ECA 162	Ti Grade 12	4392	51.541	0.0851	7.43	90 C Aqueous Phase SDW
ECD 157	Ti Grade 12	4392	53.754	0.1051	8.80	90 C Vapor Phase SDW
ECD 158	Ti Grade 12	4392	53.950	0.1011	8.44	90 C Vapor Phase SDW
ECD 159	Ti Grade 12	4392	53.774	0.0747	6.25	90 C Vapor Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
ECD 160	Ti Grade 12	4392	53.858	0.0683	5.71	90 C Aqueous Phase SDW
ECD 161	Ti Grade 12	4392	53.695	0.0746	6.26	90 C Aqueous Phase SDW
ECD 162	Ti Grade 12	4392	53.832	0.0793	6.63	90 C Aqueous Phase SDW
FCA 157	Ti Grade 16	4392	52.918	0.1595	13.30	90 C Vapor Phase SDW
FCA 158	Ti Grade 16	4392	52.230	0.0832	7.03	90 C Vapor Phase SDW
FCA 159	Ti Grade 16	4392	52.682	0.0816	6.83	90 C Vapor Phase SDW
FCA 160	Ti Grade 16	4392	53.027	0.0569	4.73	90 C Aqueous Phase SDW
FCA 161	Ti Grade 16	4392	52.826	0.0632	5.28	90 C Aqueous Phase SDW
FCA 162	Ti Grade 16	4392	52.880	0.0684	5.71	90 C Aqueous Phase SDW
FCE 157	Ti Grade 16	4392	51.450	0.1385	11.88	90 C Vapor Phase SDW
FCE 158	Ti Grade 16	4392	51.201	0.0987	8.51	90 C Vapor Phase SDW
FCE 159	Ti Grade 16	4392	51.347	0.0595	5.11	90 C Vapor Phase SDW
FCE 160	Ti Grade 16	4392	51.540	0.0724	6.20	90 C Aqueous Phase SDW
FCE 161	Ti Grade 16	4392	51.849	0.0608	5.17	90 C Aqueous Phase SDW
FCE 162	Ti Grade 16	4392	51.807	0.0704	6.00	90 C Aqueous Phase SDW
LCA 157	Inconel 625	4392	52.133	0.0004	0.02	90 C Vapor Phase SDW
LCA 158	Inconel 625	4392	52.468	0.0003	0.01	90 C Vapor Phase SDW
LCA 159	Inconel 625	4392	52.387	0.0000	0.00	90 C Vapor Phase SDW
LCA 160	Inconel 625	4392	52.334	0.0003	0.01	90 C Aqueous Phase SDW

Corrosion Rate Calculations for Crevice Specimens

For Rack Number : 30-1

<i>Sample Identification</i>	<i>Alloy</i>	<i>Lag Time (hours)</i>	<i>Surface Area (sq cm)</i>	<i>Weight Loss (g)</i>	<i>Corrosion Rate (microns/year)</i>	<i>Test Environment</i>
LCA 161	Inconel 625	4392	52.189	0.0014	0.06	90 C Aqueous Phase SDW
LCA 162	Inconel 625	4392	52.250	0.0007	0.03	90 C Aqueous Phase SDW
LCJ 157	Inconel 625	4392	51.615	0.0004	0.02	90 C Vapor Phase SDW
LCJ 158	Inconel 625	4392	51.420	0.0018	0.08	90 C Vapor Phase SDW
LCJ 159	Inconel 625	4392	51.429	0.0004	0.02	90 C Vapor Phase SDW
LCJ 160	Inconel 625	4392	50.066	0.0001	0.00	90 C Aqueous Phase SDW
LCJ 161	Inconel 625	4392	50.448	0.0005	0.02	90 C Aqueous Phase SDW
LCJ 162	Inconel 625	4392	52.062	0.0016	0.07	90 C Aqueous Phase SDW

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