Laguna de Padul Data: MI and P_ann corrections (37.0108, -3.6039)

Reconstruct past temperature from T_djf and T_jja:

```
padul <- readr::read_csv("/path/to/padul.csv")</pre>
```

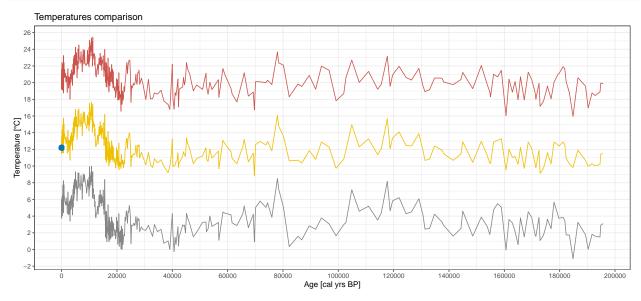
Calculate daily mean temperature

```
padul_tmp <- rowMeans(padul[, c("T_djf", "T_jja")])
palaeo_MGS_temp <- padul$Tgs</pre>
```

Obtain past CO2 from (Bereiter et al. 2015)

```
palaeo_co2 <- purrr::map_dbl(padul$age_cal_yr_BP, codos::past_co2)</pre>
```

Obtain modern CO2 from (Bereiter et al. 2015)



Modern Mean Growing Season — Palaeo Mean Growing Season — T_djf — T_jja

Assemble the Laguna de Padul dataset

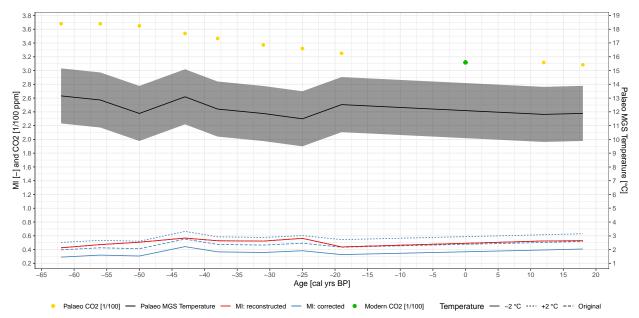
Find the corrected MI

Records for which the corrected MI is smaller than reconstructed MI

age cal yr BP	palaeo co2	palaeo MGS temp	modern co2	modern MGS temp	recon. MI	recon. Pann	corr. MI
-62	368.020	13.15918	311.765	12.19893	0.425809	458.807	0.3956459
-56	368.020	12.86272	311.765	12.19893	0.471798	506.622	0.4259131
-50	364.900	11.88472	311.765	12.19893	0.506921	570.575	0.4123184
-43	353.835	13.09339	311.765	12.19893	0.566461	630.212	0.5520437
-38	346.520	12.20387	311.765	12.19893	0.528049	553.384	0.4748576
-31	337.155	11.87980	311.765	12.19893	0.522880	521.380	0.4653719
-25	331.960	11.49567	311.765	12.19893	0.562884	576.799	0.4916622
-19	325.080	12.52563	311.765	12.19893	0.438233	494.120	0.4343545
12	311.730	11.81530	311.765	12.19893	0.524648	546.752	0.5034225
18	308.260	11.88823	311.765	12.19893	0.528909	540.303	0.5176301
3080	274.600	10.69931	311.765	12.19893	0.443022	540.029	0.4302155

Anomalous records

This plot shows the effect of increasing and decreasing the temperature by 2°C on the corrections of MI:

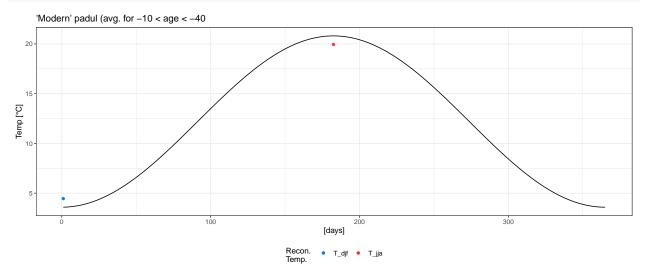


New corrections

Calculate temperature anomalies

Using both $T_{\rm djf}$ and $T_{\rm jja}$ for each record, a sinusoidal curve was fitted using the <code>int_sin</code> function.

```
padul <- padul %>%
  dplyr::mutate(Tmean = (T_jja + T_djf) / 2) %>%
  dplyr::mutate(Tmax = Tmean + (T_jja - Tmean) / 0.9) %>%
  dplyr::mutate(Tmin = Tmean + (T_djf - Tmean) / 0.9)
```



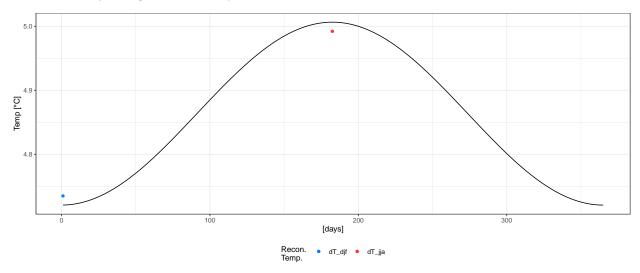
Rows 5:9 were used as the baseline to calculate the temperature anomalies.

age_cal_yr_BP	MI	P_ann	T_{djf}	$T_{\rm jja}$	Tmean	Tmax	Tmin	Tgs
-38	0.5280490	553.3840	4.408130	19.99960	12.20387	20.86579	3.541937	12.20387
-31	0.5228800	521.3800	3.954800	19.80480	11.87980	20.68536	3.074244	11.87980
-25	0.5628840	576.7990	3.768040	19.22330	11.49567	20.08193	2.909414	11.49567
-19	0.4382330	494.1200	5.015460	20.03580	12.52563	20.87026	4.180997	12.52563
-13	0.4683820	539.3250	5.126590	20.65280	12.88969	21.51537	4.264023	12.88969
	0.5040856	537.0016	4.454604	19.94326	12.19893	20.80374	3.594123	12.19893

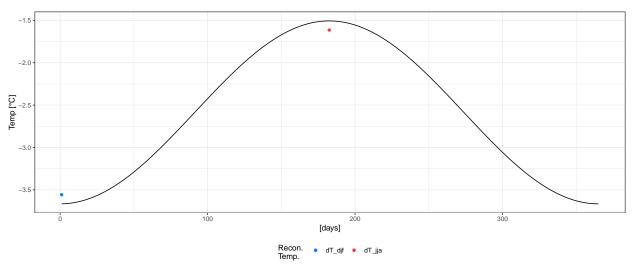
where

$$\begin{split} T_{\rm mean} &= (T_{\rm jja} + T_{\rm djf})/2 \\ T_{\rm max} &= T_{\rm mean} + (T_{\rm jja} - T_{\rm mean})/0.9 \\ T_{\rm min} &= T_{\rm mean} + (T_{\rm djf} - T_{\rm mean})/0.9 \end{split}$$

Padul: Anomaly for age = 11044 cal yr BP



Padul: Anomaly for age = 21048 cal yr BP

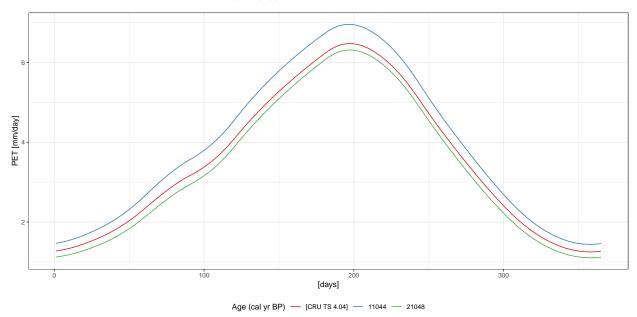


Calculate potential evapotranspiration (PET)

Params (splash::calc_daily_evap)

Latitude: 37.0108Elevation: 959Year: 1961

 • Sunshine fraction: [CRU TS 4.04] • Temperature: [CRU TS 4.04] $+T_{
m anomalies}$



Calculate corrected Precipitation

Using corrected MI and PET (calculated from modern temperature [CRU TS 4.04] and Padul temperature anomalies).

corrected
$$P_{ann} = MI \times PET_{ann}$$

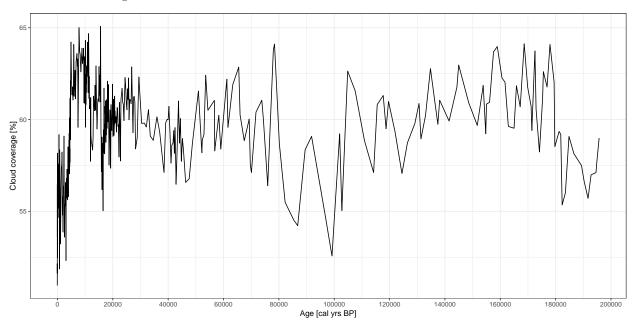
	1	1	1	1				
	palaeo	palaeo	modern	modern		recon.	_	estimated
age [cal	CO2	MGS	CO2	MGS	recon.	Pann	corrected	Pann
yr BP]	[umol/mol]	temp [°C]	[umol/mol]	temp [°C]	MI [-]	[mm/day]	MI [-]	[mm/day]
-62	368.020	13.159180	311.765	12.19893	0.425809	458.807	0.3956459	525.9648
-56	368.020	12.862720	311.765	12.19893	0.471798	506.622	0.4259131	562.1496
-50	364.900	11.884725	311.765	12.19893	0.506921	570.575	0.4123184	532.8441
-43	353.835	13.093390	311.765	12.19893	0.566461	630.212	0.5520437	730.3022
-38	346.520	12.203865	311.765	12.19893	0.528049	553.384	0.4748576	618.5475
-31	337.155	11.879800	311.765	12.19893	0.522880	521.380	0.4653719	602.3693
-25	331.960	11.495670	311.765	12.19893	0.562884	576.799	0.4916622	630.4587
-19	325.080	12.525630	311.765	12.19893	0.438233	494.120	0.4343545	568.8791
-13	318.840	12.889695	311.765	12.19893	0.468382	539.325	0.4946022	653.5738

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
-6	315.340	13.130160	311.765	12.19893	0.483879	550.167	0.5293781	702.6961
-1	312.000	12.701260	311.765	12.19893	0.493117	550.058	0.5205401	685.0496
6	311.290	12.724970	311.765	12.19893	0.490124	523.334	0.5200635	684.8463
12	311.730	11.815300	311.765	12.19893	0.524648	546.752	0.5034225	651.2228
18	308.260	11.888230	311.765	12.19893	0.528909	540.303	0.5176301	669.1132
24	304.970	13.540305	311.765	12.19893	0.429877	459.993	0.5155983	691.4734
4679	269.800	14.456340	311.765	12.19893	0.477212	581.116	0.6885184	937.8493
4693	270.650	15.862295	311.765	12.19893	0.481918	551.825	0.7742774	1083.8043
4707	270.650	14.117130	311.765	12.19893	0.448255	542.514	0.6370201	861.8474
4723	270.650	14.411470	311.765	12.19893	0.462332	582.651	0.6685739	909.2581
4756	270.650	14.795020	311.765	12.19893	0.535625	621.786	0.7668665	1050.9845
4890	270.700	14.834370	311.765	12.19893	0.650277	719.723	0.8879217	1217.1184
11499	267.415	15.364930	311.765	12.19893	0.513904	551.458	0.7859144	1092.6483
11594	261.000	14.643270	311.765	12.19893	0.462316	437.416	0.7052983	968.9128
11888	253.730	15.016305	311.765	12.19893	0.445394	459.323	0.7284537	1007.4778
11954	251.455	13.614930	311.765	12.19893	0.389403	378.477	0.5944572	799.9482
12022	248.130	14.482675	311.765	12.19893	0.465376	479.259	0.7325416	1003.7231
12091	253.345	14.124780	311.765	12.19893	0.417931	412.517	0.6484974	881.4198
21433	186.235	9.707980	311.765	12.19893	0.490850	589.305	0.6804172	813.1454
21574	186.595	11.400080	311.765	12.19893	0.417916	390.909	0.7085158	910.6188
21716	186.595	10.645230	311.765	12.19893	0.460863	528.718	0.7058167	891.1021
21866	189.370	10.268613	311.765	12.19893	0.455234	449.707	0.6657582	804.6721
22031	189.080	10.720585	311.765	12.19893	0.430449	511.119	0.6693615	846.0182
22197	191.270	10.128333	311.765	12.19893	0.408191	417.690	0.6026146	737.9108
184818	199.700	9.837763	311.765	12.19893	0.499713	478.917	0.6441735	754.0188
186603	207.050	11.920440	311.765	12.19893	0.368120	373.086	0.6089746	791.8170
189340	221.000	10.674150	311.765	12.19893	0.464490	442.187	0.5862542	742.7900
190307	231.350	9.972993	311.765	12.19893	0.506649	612.275	0.5568394	669.0318
191709	225.850	10.294565	311.765	12.19893	0.442095	502.227	0.5273021	660.8826
192795	219.150	10.022120	311.765	12.19893	0.479334	474.041	0.5688464	708.3431
194581	226.500	10.191110	311.765	12.19893	0.496187	495.060	0.5730713	717.4119
194846	226.500	11.431140	311.765	12.19893	0.441957	453.222	0.5909473	759.7771
195710	223.250	11.487825	311.765	12.19893	0.478354	491.296	0.6408374	824.3387

Calculate cloud coverage from corrected MI

```
padul_cld_corr_mi <- padul2$corr_mi %>%
  purrr::map_dbl(codos::cld)
```

Padul: cloud coverage

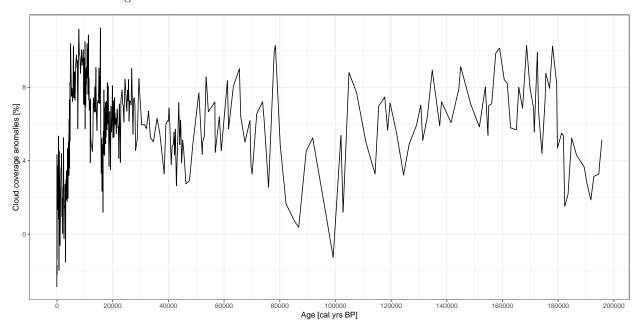


Calculate cloud coverage anomalies

Rows 5:9 were used as the baseline to calculate the anomalies:

```
padul_cld_anomalies <- seq_len(nrow(padul)) %>%
  purrr::map_dbl(~padul_cld_corr_mi[.x] - ref_cld_corr_mi)
```

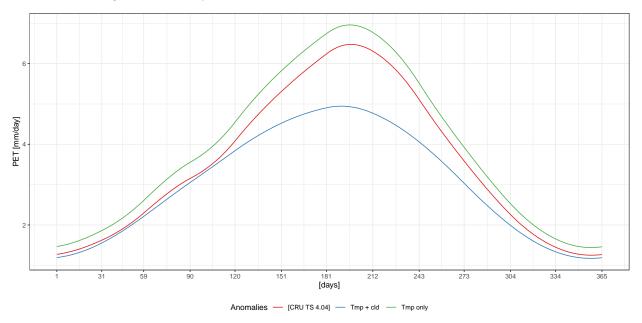
Padul: cloud coverage anomalies



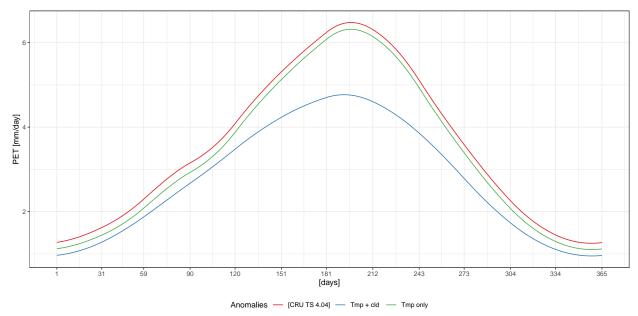
Re-calculate potential evapotranspiration (PET)

After including temperature and cloud coverage anomalies.

Padul: PET for age = 11044 cal yr BP



Padul: PET for age = 21048 cal yr BP

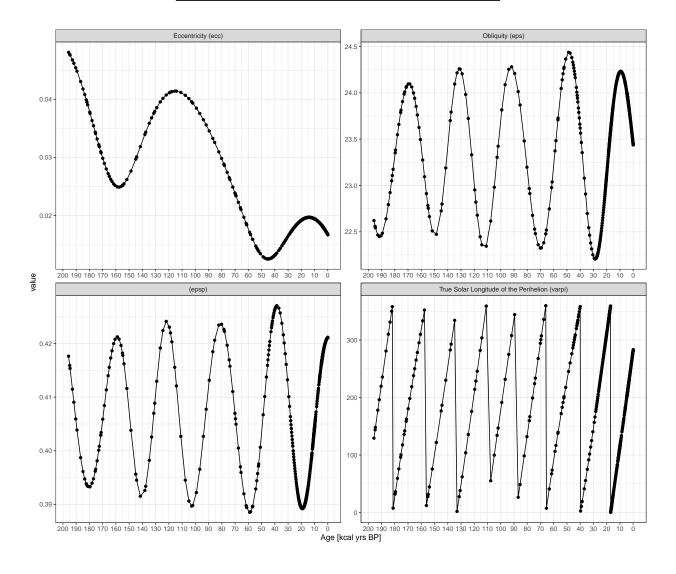


PET with orbital parameters

Find orbital parameters

Selected samples and their orbital parameters:

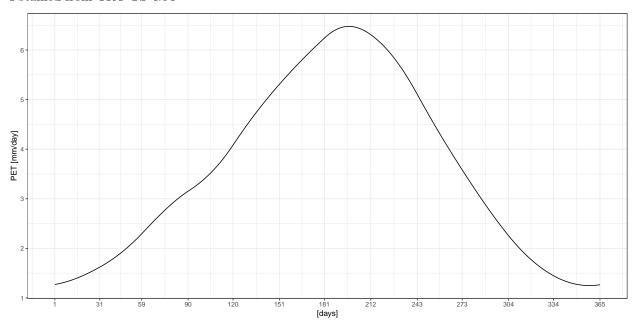
epsp	varpi	ecc	eps	year
0.4211302	283.10107	0.0166988	23.43821	-62
0.4211293	282.99828	0.0167012	23.43899	-56
0.4211284	282.89549	0.0167037	23.43977	-50
0.4211273	282.77558	0.0167065	23.44068	-43
0.4138745	180.75324	0.0186835	24.10588	6007
0.4016794	97.68662	0.0195329	24.19953	11044
0.3900594	293.63418	0.0189846	22.94125	21048
0.4176410	129.31171	0.0480977	22.62131	195710



Plots

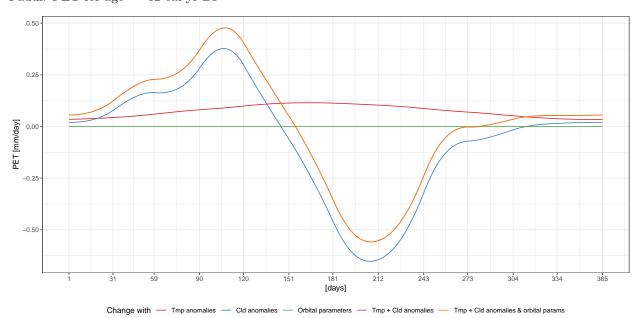
Modern PET

Obtained from CRU TS 4.04

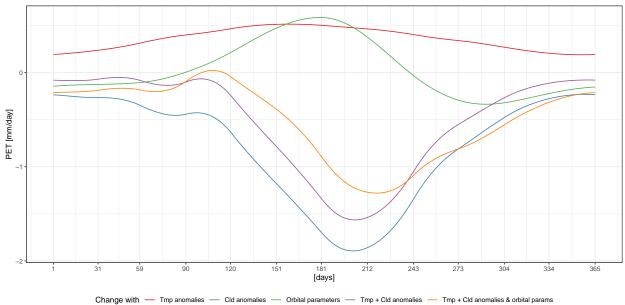


PET changes

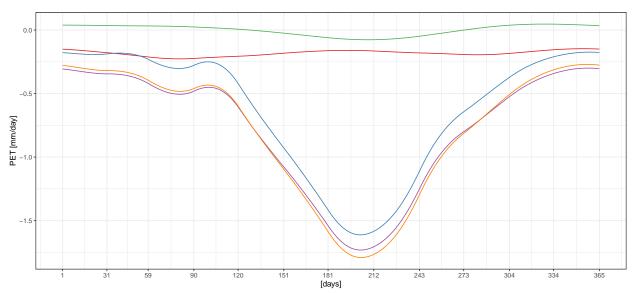
Padul: PET for age = -62 cal yr BP



Padul: PET for age = 11044 cal yr BP

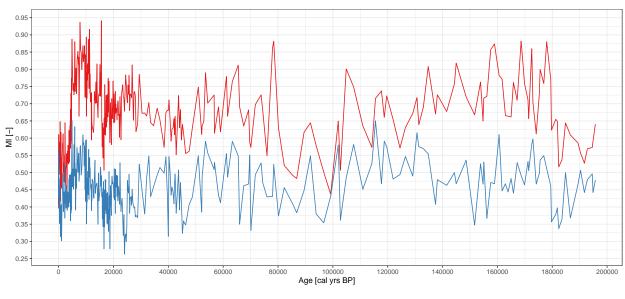


Padul: PET for age = 21048 cal yr BP



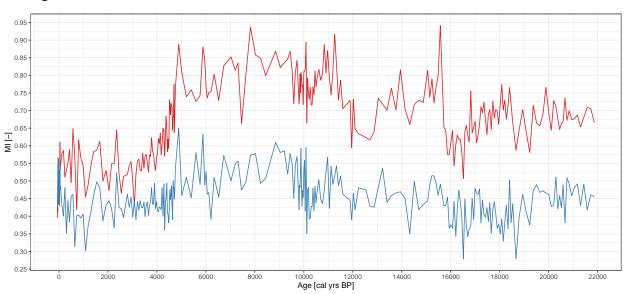
Change with — Tmp anomalies — Cld anomalies — Orbital parameters — Tmp + Cld anomalies — Tmp + Cld anomalies & orbital params

Reconstructed vs corrected MI



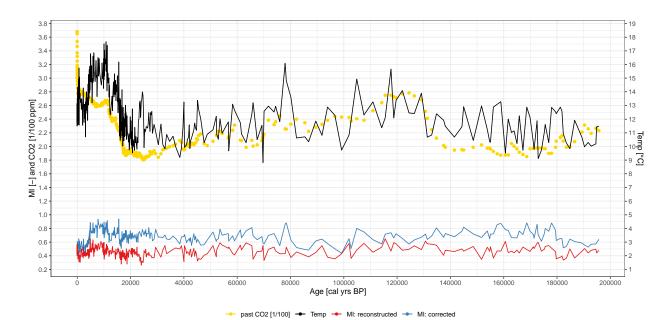
MI — Corrected — Reconstructed

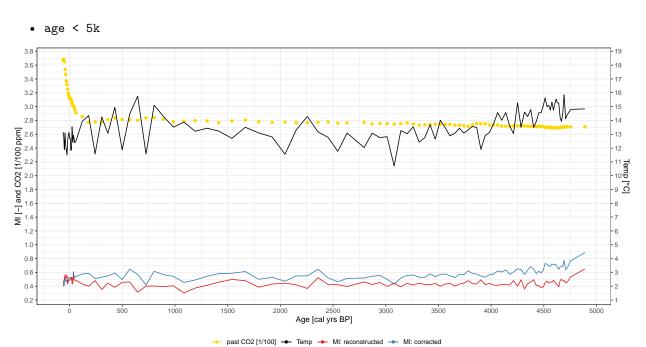




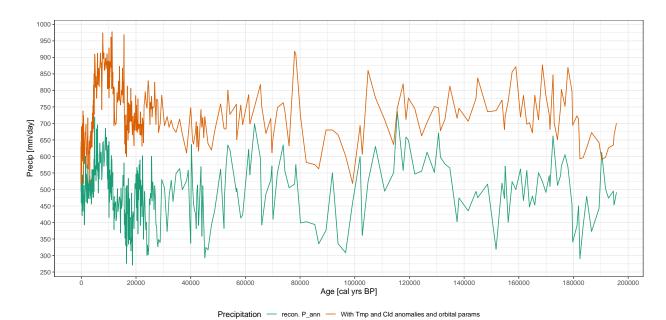
MI — Corrected — Reconstructed

Include past CO2 and Temperature

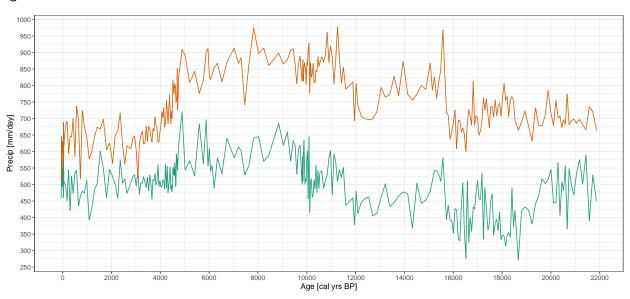




Reconstructed vs corrected P_ann



age < 22k



Precipitation — recon. P_ann — With Tmp and Cld anomalies and orbital params

References

[1] Bereiter, B., Eggleston, S., Schmitt, J., Nehrbass-Ahles, C., Stocker, T. F., Fischer, H., Kipfstuhl, S., and Chappellaz, J. (2015), Revision of the EPICA Dome C CO2 record from 800 to 600 kyr before present, Geophys. Res. Lett., 42, 542-549, doi:10.1002/2014GL061957.

Appendix

A1. Laguna de Padul Data

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
-62	368.020	13.159180	311.765	12.19893	0.425809	458.807	0.3956459	516.8861
-56	368.020	12.862720	311.765	12.19893	0.471798	506.622	0.4259131	540.4328
-50	364.900	11.884725	311.765	12.19893	0.506921	570.575	0.4123184	517.1861
-43	353.835	13.093390	311.765	12.19893	0.566461	630.212	0.5520437	645.5156
-38	346.520	12.203865	311.765	12.19893	0.528049	553.384	0.4748576	574.5603
-31	337.155	11.879800	311.765	12.19893	0.522880	521.380	0.4653719	563.0822
-25	331.960	11.495670	311.765	12.19893	0.562884	576.799	0.4916622	578.9762
-19	325.080	12.525630	311.765	12.19893	0.438233	494.120	0.4343545	543.6211
-13	318.840	12.889695	311.765	12.19893	0.468382	539.325	0.4946022	599.2072
-6	315.340	13.130160	311.765	12.19893	0.483879	550.167	0.5293781	629.8736
-1	312.000	12.701260	311.765	12.19893	0.493117	550.058	0.5205401	617.4740
6	311.290	12.724970	311.765	12.19893	0.490124	523.334	0.5200635	617.4765
12	311.730	11.815300	311.765	12.19893	0.524648	546.752	0.5034225	593.3395
18	308.260	11.888230	311.765	12.19893	0.528909	540.303	0.5176301	604.1889
24	304.970	13.540305	311.765	12.19893	0.429877	459.993	0.5155983	625.2589
30	301.880	12.423860	311.765	12.19893	0.446556	473.391	0.4761679	578.5074
36	301.000	12.921615	311.765	12.19893	0.550525	588.974	0.6103004	688.1466
43	299.630	12.653010	311.765	12.19893	0.494339	536.164	0.5410442	633.4811
48	295.610	12.378860	311.765	12.19893	0.486138	510.951	0.5249477	617.9775
60	290.920	12.490615	311.765	12.19893	0.486739	507.129	0.5407672	630.8542
120	285.500	13.932820	311.765	12.19893	0.432149	495.012	0.5775966	678.4075
181	277.130	14.350570	311.765	12.19893	0.400314	451.370	0.5865232	691.7666
242	277.815	11.581430	311.765	12.19893	0.481347	544.763	0.5106606	594.5662
305	277.355	14.247445	311.765	12.19893	0.351935	420.679	0.5303972	645.6525
363	281.110	13.068665	311.765	12.19893	0.444194	525.400	0.5500897	644.7397
429	283.535	14.941955	311.765	12.19893	0.383781	473.388	0.5892722	699.8503
499	281.270	11.871105	311.765	12.19893	0.457146	534.389	0.4955822	585.7173

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
570	280.910	14.464090	311.765	12.19893	0.461804	542.729	0.6481275	737.9006
646	280.005	15.748480	311.765	12.19893	0.313710	434.647	0.5699274	696.3751
725	283.690	11.569615	311.765	12.19893	0.401503	464.740	0.4184683	518.1811
802	284.240	15.099470	311.765	12.19893	0.403256	479.842	0.6169471	723.5230
890	281.905	14.293475	311.765	12.19893	0.395018	474.693	0.5674938	675.7445
985	278.075	13.511010	311.765	12.19893	0.406559	512.210	0.5432225	644.5723
1085	279.020	13.877625	311.765	12.19893	0.301657	392.523	0.4545319	577.7403
1191	279.640	13.218835	311.765	12.19893	0.373369	427.789	0.4897073	599.1455
1305	279.020	13.432900	311.765	12.19893	0.413576	483.930	0.5439427	645.7901
1414	276.675	13.233040	311.765	12.19893	0.458016	504.619	0.5828721	673.4718
1540	279.130	12.702920	311.765	12.19893	0.497576	601.559	0.5875445	668.1575
1667	280.575	13.501385	311.765	12.19893	0.480201	548.109	0.6124158	697.7421
1795	278.070	13.096470	311.765	12.19893	0.386541	461.502	0.4995659	606.2459
1922	277.300	12.799950	311.765	12.19893	0.431293	546.130	0.5299059	625.3979
2044	277.450	11.551290	311.765	12.19893	0.444219	524.376	0.4726975	564.1132
2149	276.800	13.294700	311.765	12.19893	0.421076	500.618	0.5485297	647.9490
2256	276.700	14.283885	311.765	12.19893	0.367480	458.314	0.5498826	661.5351
2357	277.150	13.174110	311.765	12.19893	0.523369	574.283	0.6448917	716.8171
2453	277.750	12.771775	311.765	12.19893	0.424511	504.766	0.5205055	619.3986
2545	275.900	11.757505	311.765	12.19893	0.421738	517.122	0.4649451	561.4631
2633	276.400	13.088010	311.765	12.19893	0.396330	473.100	0.5125966	617.0935
2795	277.100	12.033940	311.765	12.19893	0.462588	506.653	0.5187764	608.5411
2871	275.000	13.081115	311.765	12.19893	0.424956	523.963	0.5442957	641.1227
2944	275.500	12.756910	311.765	12.19893	0.454794	529.700	0.5551048	646.7550
3013	275.450	12.822585	311.765	12.19893	0.397566	495.459	0.5010073	603.7028
3080	274.600	10.699305	311.765	12.19893	0.443022	540.029	0.4302155	519.3853
3143	275.450	13.261510	311.765	12.19893	0.390003	471.467	0.5179680	623.4042
3203	276.300	13.035830	311.765	12.19893	0.441610	504.997	0.5558203	650.2066
3261	274.700	13.535495	311.765	12.19893	0.416972	504.399	0.5625664	662.3474
3317	273.100	12.425060	311.765	12.19893	0.444067	523.535	0.5307175	623.1252
3370	273.550	12.743310	311.765	12.19893	0.424860	507.488	0.5282860	624.6605
3421	274.000	13.684420	311.765	12.19893	0.423377	491.095	0.5791262	676.9191
3470	274.500	12.647450	311.765	12.19893	0.440416	521.238	0.5365422	631.0129

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
3518	274.500	14.010410	311.765	12.19893	0.399001	480.794	0.5716121	675.9484
3564	274.200	13.475130	311.765	12.19893	0.432065	528.989	0.5756351	671.5913
3609	274.200	12.885270	311.765	12.19893	0.440593	507.170	0.5508163	644.8886
3656	273.200	13.071425	311.765	12.19893	0.402640	455.730	0.5250253	627.4375
3699	273.000	13.434470	311.765	12.19893	0.430108	514.959	0.5739821	669.6278
3741	272.250	13.080005	311.765	12.19893	0.444006	510.806	0.5696185	662.5158
3782	271.500	13.312910	311.765	12.19893	0.481336	533.065	0.6225849	705.0597
3822	273.450	13.559430	311.765	12.19893	0.434527	499.137	0.5846130	680.1510
3863	275.400	13.483015	311.765	12.19893	0.433829	507.650	0.5752451	672.5120
3903	275.150	11.902960	311.765	12.19893	0.493315	560.226	0.5463209	628.8954
3943	275.150	12.888460	311.765	12.19893	0.422033	494.918	0.5301313	628.6986
3984	273.300	13.129820	311.765	12.19893	0.441372	512.026	0.5674526	660.7019
4023	273.300	13.747505	311.765	12.19893	0.416761	493.542	0.5775117	676.9662
4062	273.300	14.563010	311.765	12.19893	0.412826	492.749	0.6201613	721.2332
4101	271.700	14.015225	311.765	12.19893	0.426782	514.529	0.6066944	702.6343
4139	271.650	14.572930	311.765	12.19893	0.424069	511.363	0.6361209	732.4150
4176	271.650	13.604615	311.765	12.19893	0.418275	485.980	0.5746142	673.7071
4212	272.200	13.041955	311.765	12.19893	0.481193	560.230	0.6053199	689.5730
4251	272.200	15.268020	311.765	12.19893	0.400423	489.580	0.6505422	753.8585
4284	272.150	13.499280	311.765	12.19893	0.491962	555.011	0.6426978	722.4711
4317	272.150	14.600530	311.765	12.19893	0.360241	475.196	0.5706022	683.3665
4347	271.500	14.278675	311.765	12.19893	0.436612	497.000	0.6324166	727.3540
4376	271.500	14.787685	311.765	12.19893	0.458481	522.957	0.6845338	771.1094
4404	271.300	13.491295	311.765	12.19893	0.494253	552.747	0.6464921	724.5576
4429	271.300	13.935795	311.765	12.19893	0.407680	487.470	0.5834525	684.8445
4452	271.300	14.553305	311.765	12.19893	0.407926	498.811	0.6191168	720.9354
4474	271.100	14.558790	311.765	12.19893	0.381470	478.200	0.5925605	700.1818
4494	271.100	15.045370	311.765	12.19893	0.388216	489.083	0.6275261	734.3563
4513	270.100	15.631435	311.765	12.19893	0.451673	546.480	0.7302369	816.9979
4531	270.100	14.992585	311.765	12.19893	0.475532	553.775	0.7174913	798.7310
4547	270.100	15.086240	311.765	12.19893	0.446055	530.079	0.6923543	781.2053
4562	270.100	14.741750	311.765	12.19893	0.460775	547.832	0.6874922	774.1076
4577	269.100	15.337330	311.765	12.19893	0.456752	526.962	0.7206007	805.8941

5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7198 262.650	age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
4629 269.450 15.289300 311.765 12.19893 0.418996 493.895 0.6775922 773.6070 4642 269.450 15.236480 311.765 12.19893 0.390457 504.977 0.6447874 748.1933 4655 269.800 14.217500 311.765 12.19893 0.481282 592.298 0.6787813 757.4123 4667 269.800 14.456340 311.765 12.19893 0.500180 567.951 0.6814089 755.2735 4693 270.650 15.862295 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4707 270.650 14.411470 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.484370 311.765 12.19893 0.535625 621.786 0.7668665 828.6521 4890 270.700 14.834370 311.765 12.19893 0.450337 543.742 0.809070 890.5851 5202 269.800	4591	269.100	14.744645	311.765	12.19893	0.486113	566.199	0.7162545	793.8750
4642 269.450 15.236480 311.765 12.19893 0.390457 504.977 0.6447874 748.1933 4655 269.800 14.217500 311.765 12.19893 0.481282 592.298 0.6787813 757.4123 4667 269.800 14.456340 311.765 12.19893 0.500180 567.951 0.6814089 755.2735 4679 269.800 14.456340 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4707 270.650 14.411470 311.765 12.19893 0.48255 542.514 0.6370201 727.0783 4723 270.650 14.411470 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.483470 311.765 12.19893 0.535625 621.786 0.7668665 828.6521 4890 270.700 14.834370 311.765 12.19893 0.458337 513.742 0.809070 890.5851 5202 269.800	4616	269.450	15.537315	311.765	12.19893	0.435921	538.293	0.7097794	800.1153
4655 269.800 14.217500 311.765 12.19893 0.481282 592.298 0.6787813 757.4123 4667 269.800 13.929305 311.765 12.19893 0.500180 567.951 0.6814089 755.2735 4679 269.800 14.456340 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4707 270.650 14.117130 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4723 270.650 14.411470 311.765 12.19893 0.462332 582.651 0.668673 753.8186 4756 270.650 14.795020 311.765 12.19893 0.505077 719.723 0.8879217 909.6720 4890 270.700 14.834370 311.765 12.19893 0.650277 719.723 0.8879217 909.6720 5015 268.950 16.790890 311.765 12.19893 0.510507 571.692 0.7386832 808.931 5202 269.800	4629	269.450	15.289300	311.765	12.19893	0.418996	493.895	0.6775922	773.6070
4667 269.800 13.929305 311.765 12.19893 0.500180 567.951 0.6814089 755.2735 4679 269.800 14.456340 311.765 12.19893 0.477212 581.116 0.6885184 769.1946 4693 270.650 15.862295 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4707 270.650 14.1117130 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.795020 311.765 12.19893 0.535625 621.786 0.7668665 828.6521 4890 270.700 14.834370 311.765 12.19893 0.505077 719.723 0.8879217 909.6720 5015 268.950 16.790890 311.765 12.19893 0.458337 543.742 0.8009704 890.5851 5202 269.800 14.724575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5593 267.600	4642	269.450	15.236480	311.765	12.19893	0.390457	504.977	0.6447874	748.1933
4679 269.800 14.456340 311.765 12.19893 0.477212 581.116 0.6885184 769.1946 4693 270.650 15.862295 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4707 270.650 14.117130 311.765 12.19893 0.48255 542.514 0.6370201 727.0783 4723 270.650 14.471470 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.795020 311.765 12.19893 0.535625 621.786 0.766865 828.6521 4890 270.700 14.834370 311.765 12.19893 0.550507 719.723 0.8879217 909.6720 5015 268.950 14.724575 311.765 12.19893 0.510507 571.692 0.7386832 808.9031 502 269.800 14.724575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 503 267.00 <	4655	269.800	14.217500	311.765	12.19893	0.481282	592.298	0.6787813	757.4123
4693 270.650 15.862295 311.765 12.19893 0.481918 551.825 0.7742774 851.3053 4707 270.650 14.117130 311.765 12.19893 0.448255 542.514 0.6370201 727.0783 4723 270.650 14.471470 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.795020 311.765 12.19893 0.535625 621.786 0.766865 828.6521 4890 270.700 14.834370 311.765 12.19893 0.458337 543.742 0.8090704 890.581 5015 268.950 16.790890 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5015 269.800 14.724575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.19767 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5763 265.700	4667	269.800	13.929305	311.765	12.19893	0.500180	567.951	0.6814089	755.2735
4707 270.650 14.117130 311.765 12.19893 0.448255 542.514 0.6370201 727.0783 4723 270.650 14.411470 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.795020 311.765 12.19893 0.535625 621.786 0.7668665 828.6521 4890 270.700 14.834370 311.765 12.19893 0.650277 719.723 0.8879217 909.6720 5015 268.950 16.790890 311.765 12.19893 0.510507 571.692 0.7386832 808.9031 5403 265.300 15.916575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5953 263.700	4679	269.800	14.456340	311.765	12.19893	0.477212	581.116	0.6885184	769.1946
4723 270.650 14.411470 311.765 12.19893 0.462332 582.651 0.6685739 753.8186 4756 270.650 14.795020 311.765 12.19893 0.535625 621.786 0.7668665 828.6521 4890 270.700 14.834370 311.765 12.19893 0.650277 719.723 0.8879217 909.6720 5015 268.950 16.790890 311.765 12.19893 0.458337 543.742 0.8090704 890.5851 5202 269.800 14.724575 311.765 12.19893 0.510507 571.692 0.7386832 808.9031 5403 265.300 15.916575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.433639 695.875 0.8803794 902.0404 5953 263.700	4693	270.650	15.862295	311.765	12.19893	0.481918	551.825	0.7742774	851.3053
4756 270.650 14.795020 311.765 12.19893 0.535625 621.786 0.7668665 828.6521 4890 270.700 14.834370 311.765 12.19893 0.650277 719.723 0.8879217 909.6720 5015 268.950 16.790890 311.765 12.19893 0.458337 543.742 0.8090704 890.5851 5202 269.800 14.724575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.000 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700	4707	270.650	14.117130	311.765	12.19893	0.448255	542.514	0.6370201	727.0783
4890 270.700 14.834370 311.765 12.19893 0.650277 719.723 0.8879217 909.6720 5015 268.950 16.790890 311.765 12.19893 0.458337 543.742 0.8090704 890.5851 5202 269.800 14.724575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500	4723	270.650	14.411470	311.765	12.19893	0.462332	582.651	0.6685739	753.8186
5015 268.950 16.790890 311.765 12.19893 0.458337 543.742 0.8090704 890.5851 5202 269.800 14.724575 311.765 12.19893 0.510507 571.692 0.7386832 808.9031 5403 265.300 15.916575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.580824 683.575 0.7260891 776.1351 5763 265.700 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350	4756	270.650	14.795020	311.765	12.19893	0.535625	621.786	0.7668665	828.6521
5202 269.800 14.724575 311.765 12.19893 0.510507 571.692 0.7386832 808.9031 5403 265.300 15.916575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.580824 683.575 0.7260891 776.1351 5763 265.700 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.633639 695.875 0.8803794 902.0404 5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500	4890	270.700	14.834370	311.765	12.19893	0.650277	719.723	0.8879217	909.6720
5403 265.300 15.916575 311.765 12.19893 0.451895 526.641 0.7590681 842.7477 5596 267.600 13.197670 311.765 12.19893 0.580824 683.575 0.7260891 776.1351 5763 265.700 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.633639 695.875 0.8803794 902.0404 5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350	5015	268.950	16.790890	311.765	12.19893	0.458337	543.742	0.8090704	890.5851
5596 267.600 13.197670 311.765 12.19893 0.580824 683.575 0.7260891 776.1351 5763 265.700 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.633639 695.875 0.8803794 902.0404 5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150	5202	269.800	14.724575	311.765	12.19893	0.510507	571.692	0.7386832	808.9031
5763 265.700 14.989795 311.765 12.19893 0.490060 562.447 0.7429619 816.9690 5879 263.100 14.690215 311.765 12.19893 0.633639 695.875 0.8803794 902.0404 5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6729 260.750	5403	265.300	15.916575	311.765	12.19893	0.451895	526.641	0.7590681	842.7477
5879 263.100 14.690215 311.765 12.19893 0.633639 695.875 0.8803794 902.0404 5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850	5596	267.600	13.197670	311.765	12.19893	0.580824	683.575	0.7260891	776.1351
5953 263.700 16.610490 311.765 12.19893 0.488720 556.177 0.8436306 912.0951 6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7198 262.650	5763	265.700	14.989795	311.765	12.19893	0.490060	562.447	0.7429619	816.9690
6007 266.700 14.797680 311.765 12.19893 0.526236 608.909 0.7666967 829.8834 6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.50633 580.222 0.8521880 913.2070 7198 262.650	5879	263.100	14.690215	311.765	12.19893	0.633639	695.875	0.8803794	902.0404
6056 266.100 15.365505 311.765 12.19893 0.462299 540.978 0.7353019 817.8433 6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850	5953	263.700	16.610490	311.765	12.19893	0.488720	556.177	0.8436306	912.0951
6118 265.500 15.526410 311.765 12.19893 0.467143 556.938 0.7513678 831.3570 6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100	6007	266.700	14.797680	311.765	12.19893	0.526236	608.909	0.7666967	829.8834
6206 264.350 16.861230 311.765 12.19893 0.391183 489.446 0.7535885 854.0472 6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 <td>6056</td> <td>266.100</td> <td>15.365505</td> <td>311.765</td> <td>12.19893</td> <td>0.462299</td> <td>540.978</td> <td>0.7353019</td> <td>817.8433</td>	6056	266.100	15.365505	311.765	12.19893	0.462299	540.978	0.7353019	817.8433
6338 262.700 15.520625 311.765 12.19893 0.510261 580.536 0.8031038 867.1201 6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 <td>6118</td> <td>265.500</td> <td>15.526410</td> <td>311.765</td> <td>12.19893</td> <td>0.467143</td> <td>556.938</td> <td>0.7513678</td> <td>831.3570</td>	6118	265.500	15.526410	311.765	12.19893	0.467143	556.938	0.7513678	831.3570
6523 261.150 15.196245 311.765 12.19893 0.454215 532.054 0.7291432 811.0547 6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	6206	264.350	16.861230	311.765	12.19893	0.391183	489.446	0.7535885	854.0472
6729 260.750 14.751830 311.765 12.19893 0.572781 639.995 0.8269062 870.7560 7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	6338	262.700	15.520625	311.765	12.19893	0.510261	580.536	0.8031038	867.1201
7025 257.850 16.292160 311.765 12.19893 0.500633 580.222 0.8521880 913.2070 7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	6523	261.150	15.196245	311.765	12.19893	0.454215	532.054	0.7291432	811.0547
7198 262.650 15.048425 311.765 12.19893 0.548170 613.719 0.8144152 866.9013 7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	6729	260.750	14.751830	311.765	12.19893	0.572781	639.995	0.8269062	870.7560
7311 261.850 15.212085 311.765 12.19893 0.556734 602.210 0.8352080 883.8438 7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	7025	257.850	16.292160	311.765	12.19893	0.500633	580.222	0.8521880	913.2070
7457 259.550 13.652665 311.765 12.19893 0.474606 529.307 0.6635138 741.6081 7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	7198	262.650	15.048425	311.765	12.19893	0.548170	613.719	0.8144152	866.9013
7630 260.100 15.563800 311.765 12.19893 0.496452 557.763 0.7978644 864.7755 7821 260.050 16.512985 311.765 12.19893 0.573211 640.292 0.9366492 974.2224	7311	261.850	15.212085	311.765	12.19893	0.556734	602.210	0.8352080	883.8438
$7821 \qquad 260.050 16.512985 \qquad 311.765 \qquad 12.19893 0.573211 640.292 0.9366492 974.2224$	7457	259.550	13.652665	311.765	12.19893	0.474606	529.307	0.6635138	741.6081
	7630	260.100	15.563800	311.765	12.19893	0.496452	557.763	0.7978644	864.7755
$8024 \qquad 260.200 15.154520 \qquad 311.765 \qquad 12.19893 0.577937 645.181 0.8580223 896.7746$	7821	260.050	16.512985	311.765	12.19893	0.573211	640.292	0.9366492	974.2224
	8024	260.200	15.154520	311.765	12.19893	0.577937	645.181	0.8580223	896.7746

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	$\begin{array}{c} {\rm recon.} \\ {\rm Pann} \\ {\rm [mm/day]} \end{array}$	corrected MI [-]	estimated Pann [mm/day]
8233	259.300	16.430325	311.765	12.19893	0.492751	570.199	0.8484176	913.4836
8442	259.800	15.368730	311.765	12.19893	0.507928	588.088	0.7989229	860.4261
8847	259.950	14.772840	311.765	12.19893	0.609482	685.032	0.8682840	897.8954
9040	259.850	14.501085	311.765	12.19893	0.580817	619.129	0.8223966	864.7796
9205	262.850	14.772915	311.765	12.19893	0.585610	658.053	0.8362206	877.7208
9340	263.750	16.114460	311.765	12.19893	0.519646	571.017	0.8461068	907.7693
9441	262.900	15.439775	311.765	12.19893	0.577847	633.429	0.8683870	911.1430
9522	260.750	14.951680	311.765	12.19893	0.548766	618.322	0.8139998	864.7135
9589	263.800	15.205050	311.765	12.19893	0.450967	531.376	0.7196610	805.1349
9654	263.800	15.017930	311.765	12.19893	0.546659	604.397	0.8081473	862.6145
9723	263.800	15.199465	311.765	12.19893	0.569147	618.917	0.8424872	888.6219
9806	264.400	15.815015	311.765	12.19893	0.417580	501.482	0.7192625	814.0233
9823	264.400	14.884225	311.765	12.19893	0.487888	584.275	0.7376344	812.7376
9843	264.400	16.120400	311.765	12.19893	0.480904	509.798	0.8040195	878.5048
9862	264.400	14.437820	311.765	12.19893	0.524941	589.289	0.7495777	813.3440
9882	264.400	14.242735	311.765	12.19893	0.593003	634.317	0.8081808	851.2377
9903	264.300	15.793380	311.765	12.19893	0.493796	566.960	0.7981952	868.2885
9925	264.300	16.457260	311.765	12.19893	0.428127	500.996	0.7687620	859.6918
9951	264.300	15.717115	311.765	12.19893	0.473277	517.314	0.7721160	850.8438
9975	264.300	15.131305	311.765	12.19893	0.453730	510.286	0.7169564	803.9926
10001	264.200	15.323460	311.765	12.19893	0.532910	580.889	0.8111712	869.5537
10028	264.100	14.871245	311.765	12.19893	0.558392	602.007	0.8107949	862.6099
10057	264.100	17.511240	311.765	12.19893	0.414236	456.864	0.8178275	910.1462
10089	264.100	15.605590	311.765	12.19893	0.595404	645.410	0.8938241	928.6055
10120	264.000	16.048725	311.765	12.19893	0.350761	415.402	0.6637811	777.8954
10153	263.700	16.008700	311.765	12.19893	0.473838	510.359	0.7916482	869.0760
10187	263.700	15.144115	311.765	12.19893	0.481948	517.289	0.7485794	824.7304
10222	264.550	16.486195	311.765	12.19893	0.392532	461.765	0.7322160	834.7168
10262	264.550	17.041910	311.765	12.19893	0.394061	468.638	0.7669211	867.3780
10299	265.700	15.637060	311.765	12.19893	0.427851	513.740	0.7163079	809.5068
10337	265.300	15.631225	311.765	12.19893	0.426451	487.014	0.7154837	808.3586
10376	264.900	15.559980	311.765	12.19893	0.479709	558.879	0.7679910	844.9670
10415	266.200	16.365245	311.765	12.19893	0.414970	477.052	0.7446062	842.0798

10497 266.200 16.349345 311.765 12.19893 0.438019 488.915 0.7679906 857.3722 10536 267.200 16.278340 311.765 12.19893 0.464915 536.169 0.7896357 870.1975 10612 267.200 16.047825 311.765 12.19893 0.503634 541.574 0.8165843 886.7804 10690 266.450 16.485350 311.765 12.19893 0.435743 512.632 0.8035776 892.1378 10835 265.550 17.668380 311.765 12.19893 0.435743 512.632 0.8035776 892.1378 10904 266.350 15.477845 311.765 12.19893 0.524962 578.197 0.8068187 870.0567 10972 266.200 15.780770 311.765 12.19893 0.541849 592.654 0.7443512 805.1154 11187 265.150 16.074465 311.765 12.19893 0.513125 544.682 0.891083 880.6503 11288 264.400 </th <th>age [cal yr BP]</th> <th>palaeo CO2 [umol/mol]</th> <th>palaeo MGS temp [°C]</th> <th>modern CO2 [umol/mol]</th> <th>modern MGS temp [°C]</th> <th>recon. MI [-]</th> <th>recon. Pann [mm/day]</th> <th>corrected MI [-]</th> <th>estimated Pann [mm/day]</th>	age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
10536 267.200 16.278340 311.765 12.19893 0.464915 536.169 0.7896357 870.1975 10612 267.200 16.047825 311.765 12.19893 0.503634 541.574 0.8165843 886.7804 10690 266.450 16.485350 311.765 12.19893 0.435743 512.632 0.8035776 871.6490 10762 266.000 16.975485 311.765 12.19893 0.435743 512.632 0.8035776 892.1378 10904 266.350 15.477845 311.765 12.19893 0.524962 578.197 0.8068187 870.567 10972 266.200 15.780770 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11144 266.200 17.062450 311.765 12.19893 0.541849 592.654 0.7443512 805.115 11187 265.150 16.074465 311.765 12.19893 0.513015 590.61 0.916233 977.778 11258 264.400	10458	266.200	16.276965	311.765	12.19893	0.484494	542.725	0.8126909	886.9465
10612 267.200 16.047825 311.765 12.19893 0.503634 541.574 0.8165843 886.7804 10690 266.450 16.485350 311.765 12.19893 0.448163 489.473 0.7862057 871.6496 10762 266.000 16.975485 311.765 12.19893 0.435743 512.632 0.8035776 892.1378 10835 265.550 17.668380 311.765 12.19893 0.524962 578.197 0.8068187 870.0567 10972 266.200 15.780770 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11044 266.200 17.062450 311.765 12.19893 0.541849 592.654 0.7443512 805.1156 11187 265.150 16.074465 311.765 12.19893 0.513015 590.661 0.9162330 977.7780 11258 264.400 17.405490 311.765 12.19893 0.513015 590.661 0.9162330 977.7780 11333 264.455<	10497	266.200	16.349345	311.765	12.19893	0.438019	488.915	0.7679906	857.3723
10690 266.450 16.485350 311.765 12.19893 0.448163 489.473 0.7862057 871.6496 10762 266.000 16.975485 311.765 12.19893 0.435743 512.632 0.8035776 892.1378 10835 265.550 17.668380 311.765 12.19893 0.473725 530.433 0.8873252 961.1048 10904 266.350 15.477845 311.765 12.19893 0.524962 578.197 0.8068187 870.5665 10972 266.200 17.062450 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11113 264.800 14.071460 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.7780 11333 264.455<	10536	267.200	16.278340	311.765	12.19893	0.464915	536.169	0.7896357	870.1975
10762 266.000 16.975485 311.765 12.19893 0.435743 512.632 0.8035776 892.1378 10835 265.550 17.668380 311.765 12.19893 0.473725 530.433 0.8873252 961.1048 10904 266.350 15.477845 311.765 12.19893 0.524962 578.197 0.8068187 870.5661 10972 266.200 15.780770 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11044 266.200 14.071460 311.765 12.19893 0.42194 469.446 0.7938832 886.8644 111187 265.150 16.074465 311.765 12.19893 0.541849 592.654 0.7443512 805.1153 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.7780 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11449 267.415<	10612	267.200	16.047825	311.765	12.19893	0.503634	541.574	0.8165843	886.7804
10835 265.550 17.668380 311.765 12.19893 0.473725 530.433 0.8873252 961.1048 10904 266.350 15.477845 311.765 12.19893 0.524962 578.197 0.8068187 870.0567 10972 266.200 15.780770 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11044 266.200 17.062450 311.765 12.19893 0.541849 592.654 0.7443512 865.155 11187 265.150 16.074465 311.765 12.19893 0.541849 592.654 0.7443512 805.1155 11258 264.400 17.405490 311.765 12.19893 0.513015 599.061 0.9162330 977.7780 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 1144 266.320 14.840655 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11549 261.000 <td>10690</td> <td>266.450</td> <td>16.485350</td> <td>311.765</td> <td>12.19893</td> <td>0.448163</td> <td>489.473</td> <td>0.7862057</td> <td>871.6496</td>	10690	266.450	16.485350	311.765	12.19893	0.448163	489.473	0.7862057	871.6496
10904 266.350 15.477845 311.765 12.19893 0.524962 578.197 0.8068187 870.0567 10972 266.200 15.780770 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11044 266.200 17.062450 311.765 12.19893 0.422194 469.446 0.7938832 886.8464 11113 264.800 14.071460 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.780 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 1144 266.320 14.840655 311.765 12.19893 0.51304 551.458 0.7859144 854.8523 11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 1888 253.730	10762	266.000	16.975485	311.765	12.19893	0.435743	512.632	0.8035776	892.1378
10972 266.200 15.780770 311.765 12.19893 0.567718 602.877 0.8702265 919.2753 11044 266.200 17.062450 311.765 12.19893 0.422194 469.446 0.7938832 886.8644 11113 264.800 14.071460 311.765 12.19893 0.541849 592.654 0.7443512 805.1153 11187 265.150 16.074465 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.7780 11333 264.455 15.502385 311.765 12.19893 0.487248 521.303 0.7297250 807.2111 11499 267.415 15.364930 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455<	10835	265.550	17.668380	311.765	12.19893	0.473725	530.433	0.8873252	961.1048
11044 266.200 17.062450 311.765 12.19893 0.422194 469.446 0.7938832 886.8464 11113 264.800 14.071460 311.765 12.19893 0.541849 592.654 0.7443512 805.1152 11187 265.150 16.074465 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.7780 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11414 266.320 14.840655 311.765 12.19893 0.487248 521.303 0.7297250 807.2111 11499 267.415 15.364930 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284572 692.6592 12022 248.130<	10904	266.350	15.477845	311.765	12.19893	0.524962	578.197	0.8068187	870.0567
11113 264.800 14.071460 311.765 12.19893 0.541849 592.654 0.7443512 805.155 11187 265.150 16.074465 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.7780 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11414 266.320 14.840655 311.765 12.19893 0.513904 551.458 0.7859144 854.8523 11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.445394 459.323 0.7284537 810.492 12022 248.130 <td>10972</td> <td>266.200</td> <td>15.780770</td> <td>311.765</td> <td>12.19893</td> <td>0.567718</td> <td>602.877</td> <td>0.8702265</td> <td>919.2753</td>	10972	266.200	15.780770	311.765	12.19893	0.567718	602.877	0.8702265	919.2753
11187 265.150 16.074465 311.765 12.19893 0.490152 568.284 0.8091083 880.6503 11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.7780 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11414 266.320 14.840655 311.765 12.19893 0.487248 521.303 0.7297250 807.2111 11499 267.415 15.364930 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345<	11044	266.200	17.062450	311.765	12.19893	0.422194	469.446	0.7938832	886.8464
11258 264.400 17.405490 311.765 12.19893 0.513015 509.061 0.9162330 977.778 11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11414 266.320 14.840655 311.765 12.19893 0.487248 521.303 0.7297250 807.2111 11499 267.415 15.364930 311.765 12.19893 0.513904 551.458 0.7859144 854.8523 11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.446793 412.517 0.6484974 739.7135 12382 243.655 </td <td>11113</td> <td>264.800</td> <td>14.071460</td> <td>311.765</td> <td>12.19893</td> <td>0.541849</td> <td>592.654</td> <td>0.7443512</td> <td>805.1159</td>	11113	264.800	14.071460	311.765	12.19893	0.541849	592.654	0.7443512	805.1159
11333 264.455 15.502385 311.765 12.19893 0.543125 544.682 0.8319742 888.9431 11414 266.320 14.840655 311.765 12.19893 0.487248 521.303 0.7297250 807.2111 11499 267.415 15.364930 311.765 12.19893 0.513904 551.458 0.7859144 854.8523 11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12342 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8395 12382 243.655<	11187	265.150	16.074465	311.765	12.19893	0.490152	568.284	0.8091083	880.6503
11414 266.320 14.840655 311.765 12.19893 0.487248 521.303 0.7297250 807.2111 11499 267.415 15.364930 311.765 12.19893 0.513904 551.458 0.7859144 854.8523 11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.389403 378.477 0.5944572 692.6592 12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.48760 446.255 0.6335147 706.8399 12537 248.330 </td <td>11258</td> <td>264.400</td> <td>17.405490</td> <td>311.765</td> <td>12.19893</td> <td>0.513015</td> <td>509.061</td> <td>0.9162330</td> <td>977.7780</td>	11258	264.400	17.405490	311.765	12.19893	0.513015	509.061	0.9162330	977.7780
11499 267.415 15.364930 311.765 12.19893 0.513904 551.458 0.7859144 854.8523 11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.389403 378.477 0.5944572 692.6592 12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8398 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330<	11333	264.455	15.502385	311.765	12.19893	0.543125	544.682	0.8319742	888.9431
11594 261.000 14.643270 311.765 12.19893 0.462316 437.416 0.7052983 788.9646 11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.389403 378.477 0.5944572 692.6592 12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8393 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295<	11414	266.320	14.840655	311.765	12.19893	0.487248	521.303	0.7297250	807.2111
11888 253.730 15.016305 311.765 12.19893 0.445394 459.323 0.7284537 810.4492 11954 251.455 13.614930 311.765 12.19893 0.389403 378.477 0.5944572 692.6592 12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8399 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 13043 236.770<	11499	267.415	15.364930	311.765	12.19893	0.513904	551.458	0.7859144	854.8523
11954 251.455 13.614930 311.765 12.19893 0.389403 378.477 0.5944572 692.6592 12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8399 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.73	11594	261.000	14.643270	311.765	12.19893	0.462316	437.416	0.7052983	788.9646
12022 248.130 14.482675 311.765 12.19893 0.465376 479.259 0.7325416 805.8025 12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8399 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.70	11888	253.730	15.016305	311.765	12.19893	0.445394	459.323	0.7284537	810.4492
12091 253.345 14.124780 311.765 12.19893 0.417931 412.517 0.6484974 739.7135 12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8399 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.76	11954	251.455	13.614930	311.765	12.19893	0.389403	378.477	0.5944572	692.6592
12234 249.090 12.575605 311.765 12.19893 0.480760 446.255 0.6335147 706.8399 12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13218 239.410 12.610745 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.469603 477.717 0.81	12022	248.130	14.482675	311.765	12.19893	0.465376	479.259	0.7325416	805.8025
12382 243.655 12.307820 311.765 12.19893 0.477946 457.859 0.6294482 699.4410 12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13218 239.410 12.610745 311.765 12.19893 0.536082 502.167 0.7179056 764.2239 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13947 238.245 15.317390 311.765 12.19893 0.466207 465.128 0.70	12091	253.345	14.124780	311.765	12.19893	0.417931	412.517	0.6484974	739.7135
12537 248.330 12.471630 311.765 12.19893 0.474711 462.718 0.6233192 696.2754 12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13218 239.410 12.610745 311.765 12.19893 0.536082 502.167 0.7179056 764.2239 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.81	12234	249.090	12.575605	311.765	12.19893	0.480760	446.255	0.6335147	706.8399
12698 242.915 12.908245 311.765 12.19893 0.428726 405.223 0.6164339 699.0180 12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13218 239.410 12.610745 311.765 12.19893 0.536082 502.167 0.7179056 764.2239 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	12382	243.655	12.307820	311.765	12.19893	0.477946	457.859	0.6294482	699.4410
12871 240.295 13.249050 311.765 12.19893 0.425493 412.525 0.6402935 720.2813 13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13218 239.410 12.610745 311.765 12.19893 0.536082 502.167 0.7179056 764.2239 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	12537	248.330	12.471630	311.765	12.19893	0.474711	462.718	0.6233192	696.2754
13043 236.770 13.682535 311.765 12.19893 0.483385 461.539 0.7355086 793.8015 13218 239.410 12.610745 311.765 12.19893 0.536082 502.167 0.7179056 764.2239 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	12698	242.915	12.908245	311.765	12.19893	0.428726	405.223	0.6164339	699.0180
13218 239.410 12.610745 311.765 12.19893 0.536082 502.167 0.7179056 764.2239 13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	12871	240.295	13.249050	311.765	12.19893	0.425493	412.525	0.6402935	720.2813
13397 237.830 13.914370 311.765 12.19893 0.439547 433.267 0.7010603 772.6888 13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	13043	236.770	13.682535	311.765	12.19893	0.483385	461.539	0.7355086	793.8015
13578 239.845 14.723270 311.765 12.19893 0.458435 445.499 0.7631675 827.8468 13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	13218	239.410	12.610745	311.765	12.19893	0.536082	502.167	0.7179056	764.2239
13762 241.110 13.627845 311.765 12.19893 0.466207 465.128 0.7020897 769.4365 13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	13397	237.830	13.914370	311.765	12.19893	0.439547	433.267	0.7010603	772.6888
13947 238.245 15.317390 311.765 12.19893 0.469603 477.717 0.8156030 872.8849	13578	239.845	14.723270	311.765	12.19893	0.458435	445.499	0.7631675	827.8468
	13762	241.110	13.627845	311.765	12.19893	0.466207	465.128	0.7020897	769.4365
$14133 \qquad 237.820 13.802605 \qquad 311.765 \qquad 12.19893 0.450253 471.934 0.7054823 773.246693 0.450253 $	13947	238.245	15.317390	311.765	12.19893	0.469603	477.717	0.8156030	872.8849
	14133	237.820	13.802605	311.765	12.19893	0.450253	471.934	0.7054823	773.2466

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
14327	238.940	14.841775	311.765	12.19893	0.349928	368.451	0.6598285	756.2078
14512	241.600	13.351390	311.765	12.19893	0.498382	504.147	0.7173108	773.6044
14695	233.200	14.525705	311.765	12.19893	0.418140	442.566	0.7292408	800.3564
14877	230.035	13.996235	311.765	12.19893	0.433336	452.959	0.7229761	788.0825
15056	227.185	15.177935	311.765	12.19893	0.443005	480.311	0.8138801	867.9474
15144	229.240	13.245490	311.765	12.19893	0.489104	511.906	0.7378085	786.1278
15231	229.225	13.647995	311.765	12.19893	0.515634	542.840	0.7894558	825.9934
15317	227.640	12.467560	311.765	12.19893	0.513872	541.264	0.7213872	762.0589
15402	225.065	13.452520	311.765	12.19893	0.492902	531.799	0.7673355	807.5332
15486	223.400	14.472345	311.765	12.19893	0.459350	510.082	0.8001760	846.2898
15576	223.145	16.186575	311.765	12.19893	0.491031	580.480	0.9411668	968.8467
15722	223.510	12.524460	311.765	12.19893	0.429873	393.798	0.6521483	717.2951
15793	223.610	12.398135	311.765	12.19893	0.430739	437.342	0.6452423	710.7663
15870	222.935	10.760215	311.765	12.19893	0.453890	391.868	0.5747100	637.4502
15939	223.770	12.350730	311.765	12.19893	0.365376	389.876	0.5754866	659.9045
16006	223.400	12.724970	311.765	12.19893	0.375637	352.619	0.6090029	689.4039
16072	224.360	13.518925	311.765	12.19893	0.366020	427.142	0.6429085	725.2936
16137	223.635	10.445880	311.765	12.19893	0.441893	422.917	0.5424303	608.7930
16206	227.320	13.415415	311.765	12.19893	0.342865	334.289	0.6036343	694.8422
16269	216.390	11.893750	311.765	12.19893	0.422392	329.700	0.6302876	693.9424
16330	213.515	10.638686	311.765	12.19893	0.474221	430.516	0.6179157	659.3578
16391	210.360	11.017990	311.765	12.19893	0.442874	505.088	0.6195094	671.6646
16452	217.190	11.550620	311.765	12.19893	0.395824	364.729	0.5806313	652.5662
16517	208.300	11.802705	311.765	12.19893	0.278469	275.894	0.5066578	599.4405
16576	208.555	11.148750	311.765	12.19893	0.448982	511.359	0.6396390	687.8579
16635	210.805	12.849935	311.765	12.19893	0.375400	326.366	0.6583659	726.7241
16694	211.700	13.012700	311.765	12.19893	0.341791	399.207	0.6304158	708.2218
16753	207.890	12.077215	311.765	12.19893	0.363719	358.527	0.6107863	680.2793
16818	205.360	14.158905	311.765	12.19893	0.373298	431.598	0.7556711	813.0060
16876	204.060	10.790900	311.765	12.19893	0.451034	426.281	0.6363904	679.7667
16935	203.625	12.048430	311.765	12.19893	0.390956	475.464	0.6523077	708.4881
16994	203.625	10.837725	311.765	12.19893	0.480079	512.285	0.6699129	701.8249
17053	203.210	10.031810	311.765	12.19893	0.465448	456.129	0.6088614	649.1652

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
17118	200.365	10.322564	311.765	12.19893	0.461283	454.817	0.6322878	663.0352
17177	198.460	10.426055	311.765	12.19893	0.477632	533.480	0.6619266	691.5453
17236	198.290	12.864705	311.765	12.19893	0.380516	334.530	0.7114504	762.6516
17295	195.265	11.274705	311.765	12.19893	0.446154	490.222	0.6937318	725.4121
17354	190.500	12.146745	311.765	12.19893	0.404584	433.440	0.7240685	758.7850
17419	191.325	11.463015	311.765	12.19893	0.396909	361.746	0.6711294	713.6353
17478	192.240	10.420725	311.765	12.19893	0.424005	380.578	0.6320175	671.3613
17537	192.495	12.035565	311.765	12.19893	0.385468	453.404	0.6894269	735.0486
17596	196.375	11.631775	311.765	12.19893	0.438248	472.099	0.7029959	736.4668
17655	193.795	11.983090	311.765	12.19893	0.352284	347.269	0.6470703	704.5640
17720	189.965	11.907815	311.765	12.19893	0.419211	384.481	0.7266031	756.3048
17779	189.475	10.722560	311.765	12.19893	0.441874	394.862	0.6793512	708.2293
17838	190.365	11.743250	311.765	12.19893	0.407721	361.216	0.7031376	738.0619
17898	190.990	12.404180	311.765	12.19893	0.365678	416.151	0.6979106	745.8951
17957	188.600	11.455935	311.765	12.19893	0.376603	333.602	0.6614236	706.8706
18023	187.790	12.783990	311.765	12.19893	0.349292	347.164	0.7180920	765.3177
18084	188.615	13.026125	311.765	12.19893	0.392178	343.753	0.7737883	806.9617
18145	186.945	12.796495	311.765	12.19893	0.328991	313.702	0.7016245	754.7492
18207	187.265	12.380540	311.765	12.19893	0.382299	346.585	0.7294833	766.8043
18269	188.775	10.786970	311.765	12.19893	0.431274	354.127	0.6754754	705.9949
18339	187.925	12.451600	311.765	12.19893	0.363905	340.379	0.7120902	756.3953
18402	188.340	11.038440	311.765	12.19893	0.502894	489.202	0.7649507	766.7776
18466	187.270	12.180700	311.765	12.19893	0.381802	373.039	0.7166451	754.0789
18530	187.670	10.514090	311.765	12.19893	0.435265	421.337	0.6675806	694.9994
18666	193.900	12.243875	311.765	12.19893	0.278691	270.932	0.5870900	665.2190
18796	192.970	11.128360	311.765	12.19893	0.398897	419.041	0.6462696	688.6094
18939	190.605	10.852120	311.765	12.19893	0.461861	432.595	0.7027005	722.3430
19087	191.900	10.722190	311.765	12.19893	0.409936	421.830	0.6373097	676.1603
19227	191.335	10.324510	311.765	12.19893	0.375349	381.124	0.5811469	632.0634
19370	191.550	10.942980	311.765	12.19893	0.472478	441.345	0.7150749	731.9467
19504	190.235	9.740445	311.765	12.19893	0.489560	468.040	0.6646997	679.3131
19639	191.420	10.050925	311.765	12.19893	0.467545	517.832	0.6566736	679.0631
19768	193.600	10.674020	311.765	12.19893	0.472280	502.737	0.6903005	710.3766

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
19886	196.060	12.180290	311.765	12.19893	0.465912	515.012	0.7659759	784.4429
20003	194.890	10.977170	311.765	12.19893	0.461431	546.495	0.6926202	716.6072
20106	192.095	10.556615	311.765	12.19893	0.427358	444.486	0.6441034	678.5011
20206	192.095	11.882545	311.765	12.19893	0.431126	445.307	0.7283204	755.4120
20295	190.230	10.149094	311.765	12.19893	0.511353	566.619	0.7111711	701.8435
20372	190.230	11.081285	311.765	12.19893	0.420676	405.942	0.6765852	708.4696
20448	191.960	10.071010	311.765	12.19893	0.458223	507.955	0.6464197	672.7728
20517	191.960	10.921845	311.765	12.19893	0.423512	482.851	0.6627483	696.2028
20590	190.845	9.857285	311.765	12.19893	0.489315	556.048	0.6690399	682.7289
20666	190.845	12.753365	311.765	12.19893	0.381058	365.329	0.7357758	774.4966
20745	190.210	9.532400	311.765	12.19893	0.509561	548.100	0.6721583	680.7802
20837	191.765	10.375157	311.765	12.19893	0.491845	499.282	0.6991640	693.1379
20940	191.765	10.531110	311.765	12.19893	0.457853	468.372	0.6745073	698.1208
21048	189.635	10.026748	311.765	12.19893	0.481180	533.501	0.6760280	685.4037
21173	189.225	10.006380	311.765	12.19893	0.491841	575.010	0.6871136	697.2320
21301	188.645	10.426695	311.765	12.19893	0.430404	500.945	0.6533752	681.6882
21433	186.235	9.707980	311.765	12.19893	0.490850	589.305	0.6804172	665.8980
21574	186.595	11.400080	311.765	12.19893	0.417916	390.909	0.7085158	735.1272
21716	186.595	10.645230	311.765	12.19893	0.460863	528.718	0.7058167	720.4584
21866	189.370	10.268613	311.765	12.19893	0.455234	449.707	0.6657582	664.0740
22031	189.080	10.720585	311.765	12.19893	0.430449	511.119	0.6693615	697.5023
22197	191.270	10.128333	311.765	12.19893	0.408191	417.690	0.6026146	631.2817
22379	187.020	9.802635	311.765	12.19893	0.528548	601.931	0.7204544	716.3623
22560	184.945	10.650660	311.765	12.19893	0.425217	462.798	0.6773004	703.7835
22748	190.010	10.275895	311.765	12.19893	0.386687	349.441	0.5949441	641.5098
22952	189.400	11.933450	311.765	12.19893	0.415948	453.426	0.7272348	755.2795
23152	189.340	12.001330	311.765	12.19893	0.425240	494.021	0.7411559	767.0524
23368	190.155	13.181340	311.765	12.19893	0.371450	416.189	0.7552855	795.9742
23577	187.385	13.330280	311.765	12.19893	0.317124	378.041	0.7203158	776.3973
23788	185.560	12.119755	311.765	12.19893	0.377940	400.802	0.7164245	754.3386
24012	183.905	13.303990	311.765	12.19893	0.263031	300.380	0.6781963	746.2420
24226	185.705	13.457145	311.765	12.19893	0.315264	331.476	0.7337868	787.8950
24450	183.650	13.995055	311.765	12.19893	0.321666	302.325	0.7836257	829.5938

24871 180.630 12.357000 311.765 12.19893 0.344610 471.414 0.7191849 759.5535 25088 180.690 9.909560 311.765 12.19893 0.477244 454.037 0.7029477 696.9326 25291 181.675 11.272245 311.765 12.19893 0.440271 474.360 0.7275594 744.0935 25609 184.960 11.214125 311.765 12.19893 0.495095 600.450 0.7824632 781.8757 25896 185.530 11.459530 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26104 184.545 11.427615 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.450258 438.862 0.77447682 748.0569 266142 185.475 11.1676505 311.765 12.19893 0.451586 511.634 0.812789 824.6552 27049 186.830	age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
25088 180.690 9.909560 311.765 12.19893 0.477244 454.037 0.7029477 696.9326 25291 181.675 11.272245 311.765 12.19893 0.449034 488.165 0.7539408 764.3009 25501 183.020 11.086455 311.765 12.19893 0.495095 600.450 0.7275594 744.0935 25699 184.960 11.214125 311.765 12.19893 0.495095 600.450 0.7824632 781.8757 25896 185.530 11.459530 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.492776 491.632 0.7247682 748.0569 26614 185.475 11.676505 311.765 12.19893 0.45258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 <td>24662</td> <td>180.570</td> <td>13.712425</td> <td>311.765</td> <td>12.19893</td> <td>0.299384</td> <td>324.909</td> <td>0.7571296</td> <td>808.0274</td>	24662	180.570	13.712425	311.765	12.19893	0.299384	324.909	0.7571296	808.0274
25291 181.675 11.272245 311.765 12.19893 0.449034 488.165 0.7539408 764.3009 25501 183.020 11.086455 311.765 12.19893 0.440271 474.360 0.7275594 744.0935 25699 184.960 11.214125 311.765 12.19893 0.495095 600.450 0.7824632 781.8757 25896 185.530 11.459530 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.429776 491.632 0.7247682 748.0569 26614 185.475 11.676505 311.765 12.19893 0.49528 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 18.6830 11.751265 311.765 12.19893 0.404285 393.360 0.621570 696.9470 27566 191.380 <td>24871</td> <td>180.630</td> <td>12.357000</td> <td>311.765</td> <td>12.19893</td> <td>0.344610</td> <td>471.414</td> <td>0.7191849</td> <td>759.5535</td>	24871	180.630	12.357000	311.765	12.19893	0.344610	471.414	0.7191849	759.5535
25501 183.020 11.086455 311.765 12.19893 0.440271 474.360 0.7275594 744.0935 25699 184.960 11.214125 311.765 12.19893 0.495095 600.450 0.7824632 781.8757 25896 185.530 11.459530 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.429776 491.632 0.7247682 748.0569 26614 185.475 11.676505 311.765 12.19893 0.405258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.404285 393.360 0.521570 696.9470 27576 191.380 12.480025 311.765 12.19893 0.40278 344.294 0.7352377 772.8710 27974 189.290 <td>25088</td> <td>180.690</td> <td>9.909560</td> <td>311.765</td> <td>12.19893</td> <td>0.477244</td> <td>454.037</td> <td>0.7029477</td> <td>696.9326</td>	25088	180.690	9.909560	311.765	12.19893	0.477244	454.037	0.7029477	696.9326
25699 184.960 11.214125 311.765 12.19893 0.495095 600.450 0.7824632 781.8757 25896 185.530 11.459530 311.765 12.19893 0.381754 465.063 0.6800909 719.5648 26104 184.545 11.427615 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.429776 491.632 0.7247682 748.0569 26614 185.475 11.676505 311.765 12.19893 0.45258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.451285 393.360 0.6521570 696.9470 27576 191.380 12.480025 311.765 12.19893 0.400278 344.294 0.7329115 773.3257 27733 189.300 </td <td>25291</td> <td>181.675</td> <td>11.272245</td> <td>311.765</td> <td>12.19893</td> <td>0.449034</td> <td>488.165</td> <td>0.7539408</td> <td>764.3009</td>	25291	181.675	11.272245	311.765	12.19893	0.449034	488.165	0.7539408	764.3009
25896 185.530 11.459530 311.765 12.19893 0.381754 465.063 0.6800090 719.5648 26104 184.545 11.427615 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.429776 491.632 0.7247682 748.0509 26614 185.475 11.676505 311.765 12.19893 0.405258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.340285 393.360 0.6521570 696.9470 27733 189.300 12.317240 311.765 12.19893 0.340278 344.294 0.7352377 772.8710 28219 191.705<	25501	183.020	11.086455	311.765	12.19893	0.440271	474.360	0.7275594	744.0935
26104 184.545 11.427615 311.765 12.19893 0.426935 522.721 0.7282888 750.7290 26412 184.890 11.348065 311.765 12.19893 0.429776 491.632 0.7247682 748.0569 26614 185.475 11.676505 311.765 12.19893 0.45258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.396843 390.264 0.7329115 773.3257 27733 189.300 12.317240 311.765 12.19893 0.341494 0.7352377 772.8710 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.779 28821 193.890 11.616680<	25699	184.960	11.214125	311.765	12.19893	0.495095	600.450	0.7824632	781.8757
26412 184.890 11.348065 311.765 12.19893 0.429776 491.632 0.7247682 748.0569 26614 185.475 11.676505 311.765 12.19893 0.405258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.415035 48.906 0.7261162 755.4541 27274 192.495 11.103970 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.400278 344.294 0.7352377 772.8710 27774 189.290 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 </td <td>25896</td> <td>185.530</td> <td>11.459530</td> <td>311.765</td> <td>12.19893</td> <td>0.381754</td> <td>465.063</td> <td>0.6800090</td> <td>719.5648</td>	25896	185.530	11.459530	311.765	12.19893	0.381754	465.063	0.6800090	719.5648
26614 185.475 11.676505 311.765 12.19893 0.405258 438.862 0.7174517 748.7751 26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.415035 483.906 0.7261162 755.4541 27274 192.495 11.103970 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.400278 344.294 0.7329115 773.3257 27733 189.300 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300<	26104	184.545	11.427615	311.765	12.19893	0.426935	522.721	0.7282888	750.7290
26829 185.935 12.480595 311.765 12.19893 0.451586 511.634 0.8127891 824.6552 27049 186.830 11.751265 311.765 12.19893 0.415035 483.906 0.7261162 755.4541 27274 192.495 11.103970 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.396843 390.264 0.7329115 773.3257 27733 189.300 12.317240 311.765 12.19893 0.400278 344.294 0.7352377 772.8710 27974 189.290 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300<	26412	184.890	11.348065	311.765	12.19893	0.429776	491.632	0.7247682	748.0569
27049 186.830 11.751265 311.765 12.19893 0.415035 483.906 0.7261162 755.4541 27274 192.495 11.103970 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.396843 390.264 0.7329115 773.3257 27733 189.300 12.317240 311.765 12.19893 0.400278 344.294 0.7352377 772.8710 27974 189.290 12.569895 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28219 191.705 10.972120 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.13460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31206 195.165 </td <td>26614</td> <td>185.475</td> <td>11.676505</td> <td>311.765</td> <td>12.19893</td> <td>0.405258</td> <td>438.862</td> <td>0.7174517</td> <td>748.7751</td>	26614	185.475	11.676505	311.765	12.19893	0.405258	438.862	0.7174517	748.7751
27274 192.495 11.103970 311.765 12.19893 0.404285 393.360 0.6521570 696.9470 27506 191.380 12.480025 311.765 12.19893 0.396843 390.264 0.7329115 773.3257 27733 189.300 12.317240 311.765 12.19893 0.400278 344.294 0.7352377 772.8710 27974 189.290 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.13460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 </td <td>26829</td> <td>185.935</td> <td>12.480595</td> <td>311.765</td> <td>12.19893</td> <td>0.451586</td> <td>511.634</td> <td>0.8127891</td> <td>824.6552</td>	26829	185.935	12.480595	311.765	12.19893	0.451586	511.634	0.8127891	824.6552
27506 191.380 12.480025 311.765 12.19893 0.396843 390.264 0.7329115 773.3257 27733 189.300 12.317240 311.765 12.19893 0.400278 344.294 0.7352377 772.8710 27974 189.290 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700<	27049	186.830	11.751265	311.765	12.19893	0.415035	483.906	0.7261162	755.4541
27733 189.300 12.317240 311.765 12.19893 0.400278 344.294 0.7352377 772.8710 27974 189.290 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.484969 479.279 0.6448904 686.3372 34631 199.590 </td <td>27274</td> <td>192.495</td> <td>11.103970</td> <td>311.765</td> <td>12.19893</td> <td>0.404285</td> <td>393.360</td> <td>0.6521570</td> <td>696.9470</td>	27274	192.495	11.103970	311.765	12.19893	0.404285	393.360	0.6521570	696.9470
27974 189.290 12.569895 311.765 12.19893 0.371344 326.773 0.7211204 767.9010 28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 <td>27506</td> <td>191.380</td> <td>12.480025</td> <td>311.765</td> <td>12.19893</td> <td>0.396843</td> <td>390.264</td> <td>0.7329115</td> <td>773.3257</td>	27506	191.380	12.480025	311.765	12.19893	0.396843	390.264	0.7329115	773.3257
28219 191.705 10.972120 311.765 12.19893 0.375762 348.138 0.6186364 672.7797 28821 193.890 11.616680 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.379583 373.005 0.6729482 720.8280 32106 195.165 10.132605 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 </td <td>27733</td> <td>189.300</td> <td>12.317240</td> <td>311.765</td> <td>12.19893</td> <td>0.400278</td> <td>344.294</td> <td>0.7352377</td> <td>772.8710</td>	27733	189.300	12.317240	311.765	12.19893	0.400278	344.294	0.7352377	772.8710
28821 193.890 11.616680 311.765 12.19893 0.368870 339.534 0.6415129 698.9500 29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.379583 373.005 0.6729482 720.8280 32106 195.165 10.132605 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 334631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.546192 558.244 0.673	27974	189.290	12.569895	311.765	12.19893	0.371344	326.773	0.7211204	767.9010
29398 189.520 11.096930 311.765 12.19893 0.524119 529.944 0.7850615 785.2789 30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.379583 373.005 0.6729482 720.8280 32106 195.165 10.132605 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.548047 527.799 0.7032486 709.9427 33545 197.465 10.880855 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.492588 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.546192 558.244 0.6734	28219	191.705	10.972120	311.765	12.19893	0.375762	348.138	0.6186364	672.7797
30419 184.300 10.134460 311.765 12.19893 0.448462 504.459 0.6720966 693.4308 31388 189.215 11.638685 311.765 12.19893 0.379583 373.005 0.6729482 720.8280 32106 195.165 10.132605 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.548047 527.799 0.7032486 709.9427 33545 197.465 10.880855 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 <td>28821</td> <td>193.890</td> <td>11.616680</td> <td>311.765</td> <td>12.19893</td> <td>0.368870</td> <td>339.534</td> <td>0.6415129</td> <td>698.9500</td>	28821	193.890	11.616680	311.765	12.19893	0.368870	339.534	0.6415129	698.9500
31388 189.215 11.638685 311.765 12.19893 0.379583 373.005 0.6729482 720.8280 32106 195.165 10.132605 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.548047 527.799 0.7032486 709.9427 33545 197.465 10.880855 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.492588 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.314463 337.094 0.68022	29398	189.520	11.096930	311.765	12.19893	0.524119	529.944	0.7850615	785.2789
32106 195.165 10.132605 311.765 12.19893 0.484969 479.279 0.6642497 688.2526 32889 196.700 9.834265 311.765 12.19893 0.548047 527.799 0.7032486 709.9427 33545 197.465 10.880855 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.314463 337.094 0.680227	30419	184.300	10.134460	311.765	12.19893	0.448462	504.459	0.6720966	693.4308
32889 196.700 9.834265 311.765 12.19893 0.548047 527.799 0.7032486 709.9427 33545 197.465 10.880855 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40002 195.075 13.257680 311.765 12.19893 0.546388 636.279 0.711020	31388	189.215	11.638685	311.765	12.19893	0.379583	373.005	0.6729482	720.8280
33545 197.465 10.880855 311.765 12.19893 0.429742 463.725 0.6448904 686.3372 34631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.711020	32106	195.165	10.132605	311.765	12.19893	0.484969	479.279	0.6642497	688.2526
34631 199.590 10.377045 311.765 12.19893 0.458898 548.505 0.6360226 673.3276 35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	32889	196.700	9.834265	311.765	12.19893	0.548047	527.799	0.7032486	709.9427
35945 201.045 10.751385 311.765 12.19893 0.492588 563.086 0.6867686 712.8422 36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	33545	197.465	10.880855	311.765	12.19893	0.429742	463.725	0.6448904	686.3372
36937 203.510 9.970725 311.765 12.19893 0.514820 499.423 0.6532678 667.6649 38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	34631	199.590	10.377045	311.765	12.19893	0.458898	548.505	0.6360226	673.3276
38485 208.655 9.198735 311.765 12.19893 0.498090 526.122 0.5733865 610.6809 39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	35945	201.045	10.751385	311.765	12.19893	0.492588	563.086	0.6867686	712.8422
39103 205.800 9.922572 311.765 12.19893 0.546192 558.244 0.6734551 664.9790 39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	36937	203.510	9.970725	311.765	12.19893	0.514820	499.423	0.6532678	667.6649
39681 196.185 11.449825 311.765 12.19893 0.427039 405.478 0.6813514 719.7677 40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	38485	208.655	9.198735	311.765	12.19893	0.498090	526.122	0.5733865	610.6809
40002 195.075 13.257680 311.765 12.19893 0.314463 337.094 0.6802275 747.7781 40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	39103	205.800	9.922572	311.765	12.19893	0.546192	558.244	0.6734551	664.9790
40253 195.795 9.932895 311.765 12.19893 0.546388 636.279 0.7110201 712.5073	39681	196.185	11.449825	311.765	12.19893	0.427039	405.478	0.6813514	719.7677
	40002	195.075	13.257680	311.765	12.19893	0.314463	337.094	0.6802275	747.7781
$40657 \qquad 200.975 10.024009 \qquad 311.765 \qquad 12.19893 0.500606 516.663 0.6514764 649.19599 0.500606 0.6514764 0.651$	40253	195.795	9.932895	311.765	12.19893	0.546388	636.279	0.7110201	712.5073
	40657	200.975	10.024009	311.765	12.19893	0.500606	516.663	0.6514764	649.1959

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	$egin{array}{c} \mathrm{modern} \\ \mathrm{CO2} \\ \mathrm{[umol/mol]} \end{array}$	modern MGS temp [°C]	recon. MI [-]	$\begin{array}{c} {\rm recon.} \\ {\rm Pann} \\ {\rm [mm/day]} \end{array}$	corrected MI [-]	estimated Pann [mm/day]
41029	201.250	10.137130	311.765	12.19893	0.433944	458.397	0.5907812	637.4557
41327	204.190	10.504615	311.765	12.19893	0.458241	438.943	0.6261429	653.4855
41758	201.120	10.671990	311.765	12.19893	0.441728	427.536	0.6307134	673.5374
42029	199.890	11.580640	311.765	12.19893	0.409008	380.907	0.6566300	705.1277
42240	200.395	9.844681	311.765	12.19893	0.467121	491.209	0.6096486	628.4905
42495	202.865	10.413640	311.765	12.19893	0.495868	513.575	0.6631213	691.2499
42877	205.305	10.613855	311.765	12.19893	0.381419	391.338	0.5517391	616.1317
43740	202.435	11.207270	311.765	12.19893	0.507078	569.130	0.7237158	741.8548
44062	204.310	11.711450	311.765	12.19893	0.391607	358.297	0.6303178	688.8707
44404	205.525	11.324645	311.765	12.19893	0.471039	511.717	0.6831282	717.5519
44764	211.365	11.184635	311.765	12.19893	0.411543	397.963	0.5944022	656.6644
45138	209.720	13.376115	311.765	12.19893	0.323035	292.999	0.6398266	720.6721
45525	216.005	12.733005	311.765	12.19893	0.359366	324.506	0.6170196	694.5692
46322	218.350	12.018120	311.765	12.19893	0.347459	316.961	0.5552058	639.0967
47601	204.025	10.271700	311.765	12.19893	0.407037	393.349	0.5618697	619.5221
48772	201.280	10.887380	311.765	12.19893	0.429229	436.214	0.6303903	677.5020
50937	207.525	11.221780	311.765	12.19893	0.548830	561.425	0.7481943	759.0091
52168	216.450	12.206855	311.765	12.19893	0.385159	381.794	0.6107805	684.8352
52330	216.450	10.884445	311.765	12.19893	0.488210	474.477	0.6367662	683.2447
52933	222.435	10.531495	311.765	12.19893	0.539465	569.688	0.6482017	683.5186
53562	222.200	12.023970	311.765	12.19893	0.590746	634.833	0.7897442	800.8042
54360	219.165	10.969175	311.765	12.19893	0.556933	619.046	0.7018703	727.3011
56695	212.440	11.799285	311.765	12.19893	0.508502	493.344	0.7252090	758.1286
56821	214.070	9.676870	311.765	12.19893	0.529626	503.786	0.6146072	650.8061
58294	223.750	13.096980	311.765	12.19893	0.434754	413.603	0.6904150	755.2075
59004	231.290	12.654425	311.765	12.19893	0.412567	422.669	0.6183015	696.3057
61201	209.260	11.728895	311.765	12.19893	0.554980	621.129	0.7791204	787.0860
61618	208.640	10.919690	311.765	12.19893	0.486621	544.000	0.6635409	698.5324
63345	198.775	10.277420	311.765	12.19893	0.590586	698.788	0.7646786	750.7140
65500	208.980	12.364315	311.765	12.19893	0.548204	593.851	0.8122000	817.7214
65984	200.590	13.201235	311.765	12.19893	0.349848	392.238	0.6912591	750.7636
67492	202.450	10.500190	311.765	12.19893	0.461421	485.944	0.6353440	669.4621
69280	208.340	11.543625	311.765	12.19893	0.466809	528.360	0.6819389	714.9816

69681 213.405 8.818884 311.765 12.19893 0.550936 571.279 0.5875051 70083 217.940 12.575910 311.765 12.19893 0.331883 410.143 0.5732468 71728 238.510 12.949905 311.765 12.19893 0.493640 551.165 0.6973583 73834 232.035 12.521990 311.765 12.19893 0.470405 556.835 0.6795605 75975 244.640 11.813955 311.765 12.19893 0.429378 505.260 0.5492964 78001 225.785 16.088725 311.765 12.19893 0.430684 516.375 0.8618585 78428 225.395 14.814645 311.765 12.19893 0.43664 402.296 0.5206071 85406 234.690 10.621729 311.765 12.19893 0.436793 393.868 0.4913513 86807 222.220 10.347030 311.765 12.19893 0.348199 376.284 0.6170273 91816	age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
71728 238.510 12.949905 311.765 12.19893 0.493640 551.165 0.697358 73834 232.035 12.521990 311.765 12.19893 0.527963 635.048 0.7256863 74427 236.285 12.942090 311.765 12.19893 0.429378 505.260 0.5492964 75975 244.640 11.813955 311.765 12.19893 0.429378 505.260 0.5492964 78001 225.785 16.088725 311.765 12.19893 0.430684 516.375 0.8618585 78428 225.395 14.814645 311.765 12.19893 0.523328 575.229 0.8814664 80167 23.2670 13.590870 311.765 12.19893 0.436190 402.296 0.520071 85406 234.690 10.705515 311.765 12.19893 0.436190 402.296 0.520071 89490 228.130 11.854085 311.765 12.19893 0.434199 376.284 0.6170273 91816	69681	213.405	8.818884	311.765	12.19893	0.550936	571.279	0.5875051	611.1810
73834 232.035 12.521990 311.765 12.19893 0.527963 635.048 0.725686 74427 236.285 12.942090 311.765 12.19893 0.470405 56.835 0.679506 75975 244.640 11.813955 311.765 12.19893 0.429378 505.260 0.5492964 78010 225.785 16.088725 311.765 12.19893 0.430684 516.375 0.8618585 78428 225.395 14.814645 311.765 12.19893 0.523328 575.229 0.8814664 80167 232.670 13.590870 311.765 12.19893 0.374170 398.701 0.6298052 8264 239.880 10.621729 311.765 12.19893 0.436190 402.296 0.5206071 85406 234.690 10.70515 311.765 12.19893 0.43810 335.362 0.482639 89490 228.130 11.854085 311.765 12.19893 0.48419 375.620 0.578049 91816 23	70083	217.940	12.575910	311.765	12.19893	0.331883	410.143	0.5732468	654.6464
74427 236.285 12.942090 311.765 12.19893 0.470405 556.835 0.679569 75975 244.640 11.813955 311.765 12.19893 0.429378 505.260 0.5492964 78001 225.785 16.088725 311.765 12.19893 0.430684 516.375 0.8818686 78428 225.395 14.814645 311.765 12.19893 0.523328 575.229 0.881464 80167 232.670 13.590870 311.765 12.19893 0.456190 402.296 0.5206071 85406 234.690 10.705515 311.765 12.19893 0.456190 402.296 0.5206071 86807 222.220 10.347030 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.64170273 9186 244.055 12.2881340 311.765 12.19893 0.548471 550.162 0.64170273 9656	71728	238.510	12.949905	311.765	12.19893	0.493640	551.165	0.6973583	747.9932
75975 244.640 11.813955 311.765 12.19893 0.429378 505.260 0.5492964 78001 225.785 16.088725 311.765 12.19893 0.430684 516.375 0.8618585 78428 225.395 14.814645 311.765 12.19893 0.523328 575.229 0.8814664 80167 232.670 13.590870 311.765 12.19893 0.456190 402.296 0.5206071 85464 239.880 10.621729 311.765 12.19893 0.456190 402.296 0.5206071 85406 234.690 10.705515 311.765 12.19893 0.448199 376.284 0.6170273 89490 228.130 11.854085 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.548471 550.162 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.430647 459.025 0.4369693 101967	73834	232.035	12.521990	311.765	12.19893	0.527963	635.048	0.7256863	763.0100
78001 225.785 16.088725 311.765 12.19893 0.430684 516.375 0.8618584 78428 225.395 14.814645 311.765 12.19893 0.523328 575.229 0.8814664 80167 232.670 13.590870 311.765 12.19893 0.456190 402.296 0.5206071 85406 234.690 10.705515 311.765 12.19893 0.407783 393.868 0.4913513 86807 222.220 10.347030 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.35974 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4366963 102747	74427	236.285	12.942090	311.765	12.19893	0.470405	556.835	0.6795605	738.6205
78428 225.395 14.814645 311.765 12.19893 0.523328 575.229 0.8814646 80167 232.670 13.590870 311.765 12.19893 0.374170 398.701 0.6298052 82264 239.880 10.621729 311.765 12.19893 0.456190 402.296 0.5206071 85406 234.690 10.705515 311.765 12.19893 0.487783 393.868 0.4913513 86807 222.220 10.347030 311.765 12.19893 0.488199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.379700 335.620 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.36047 459.025 0.4369693 10967 242.415 10.836270 311.765 12.19893 0.361761 360.931 0.506856 102747	75975	244.640	11.813955	311.765	12.19893	0.429378	505.260	0.5492964	631.6681
80167 232.670 13.590870 311.765 12.19893 0.374170 398.701 0.6298052 82264 239.880 10.621729 311.765 12.19893 0.456190 402.296 0.5206071 85406 234.690 10.705515 311.765 12.19893 0.407783 393.868 0.4913513 86807 222.220 10.347030 311.765 12.19893 0.48199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.379700 335.620 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.33074 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.36047 459.025 0.4366963 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861	78001	225.785	16.088725	311.765	12.19893	0.430684	516.375	0.8618585	918.5859
82264 239.880 10.621729 311.765 12.19893 0.456190 402.296 0.5206071 85406 234.690 10.705515 311.765 12.19893 0.407783 393.868 0.4913513 86807 222.20 10.347030 311.765 12.19893 0.383166 335.362 0.4826539 89490 228.130 11.854085 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.353974 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.649686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861	78428	225.395	14.814645	311.765	12.19893	0.523328	575.229	0.8814664	909.9275
85406 234.690 10.705515 311.765 12.19893 0.407783 393.868 0.4913513 86807 222.220 10.347030 311.765 12.19893 0.383166 335.362 0.4826339 89490 228.130 11.854085 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.379700 335.620 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.6496686 102747 237.070 11.904570 311.765 12.19893 0.481685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.481685 523.547 0.8011177 110928	80167	232.670	13.590870	311.765	12.19893	0.374170	398.701	0.6298052	721.2548
86807 222.220 10.347030 311.765 12.19893 0.383166 335.362 0.4826539 89490 228.130 11.854085 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.353974 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.649686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.481685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 114230	82264	239.880	10.621729	311.765	12.19893	0.456190	402.296	0.5206071	581.9466
89490 228.130 11.854085 311.765 12.19893 0.448199 376.284 0.6170273 91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.379700 335.620 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.649686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535	85406	234.690	10.705515	311.765	12.19893	0.407783	393.868	0.4913513	575.3691
91816 232.430 10.817200 311.765 12.19893 0.548471 550.162 0.6443136 93907 238.210 12.882770 311.765 12.19893 0.379700 335.620 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.353974 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.6496686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.451387 550.750 0.5731794 115535	86807	222.220	10.347030	311.765	12.19893	0.383166	335.362	0.4826539	562.5460
93907 238.210 12.882770 311.765 12.19893 0.379700 335.620 0.5780498 96656 244.055 12.281340 311.765 12.19893 0.353974 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.6496686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 110928 252.310 13.266150 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.467457 557.876 0.7372913 118737	89490	228.130	11.854085	311.765	12.19893	0.448199	376.284	0.6170273	679.9793
96656 244.055 12.281340 311.765 12.19893 0.353974 308.498 0.5014318 99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.649686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 110928 252.310 13.266150 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737	91816	232.430	10.817200	311.765	12.19893	0.548471	550.162	0.6443136	680.2477
99188 243.085 9.735085 311.765 12.19893 0.430647 459.025 0.4369693 101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.649686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.591169 658.868 0.6603966 12968	93907	238.210	12.882770	311.765	12.19893	0.379700	335.620	0.5780498	665.7011
101967 242.415 10.836270 311.765 12.19893 0.580318 599.873 0.6496686 102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.451387 494.791 0.6354708 110928 252.310 13.266150 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968<	96656	244.055	12.281340	311.765	12.19893	0.353974	308.498	0.5014318	601.6255
102747 237.070 11.904570 311.765 12.19893 0.361761 360.931 0.5068550 104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.581557 630.291 0.7487471 110928 252.310 13.266150 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468<	99188	243.085	9.735085	311.765	12.19893	0.430647	459.025	0.4369693	518.5127
104861 240.620 14.935930 311.765 12.19893 0.484685 523.547 0.8011177 107565 238.385 12.305630 311.765 12.19893 0.581557 630.291 0.7487471 110928 252.310 13.266150 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 129122<	101967	242.415	10.836270	311.765	12.19893	0.580318	599.873	0.6496686	693.4378
107565 238.385 12.305630 311.765 12.19893 0.581557 630.291 0.7487471 110928 252.310 13.266150 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.412600 311.765 12.19893 0.494356 555.634 0.5713579 129122<	102747	237.070	11.904570	311.765	12.19893	0.361761	360.931	0.5068550	606.5821
110928 252.310 13.266150 311.765 12.19893 0.451387 494.791 0.6354708 114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 67	104861	240.620	14.935930	311.765	12.19893	0.484685	523.547	0.8011177	860.4143
114230 264.240 11.368895 311.765 12.19893 0.526497 550.750 0.5731794 115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 67	107565	238.385	12.305630	311.765	12.19893	0.581557	630.291	0.7487471	777.7519
115535 275.060 12.103225 311.765 12.19893 0.650182 736.731 0.7153441 117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.546565 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	110928	252.310	13.266150	311.765	12.19893	0.451387	494.791	0.6354708	711.3477
117705 274.980 15.665745 311.765 12.19893 0.467457 557.876 0.7372913 118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	114230	264.240	11.368895	311.765	12.19893	0.526497	550.750	0.5731794	636.1810
118737 272.730 12.090160 311.765 12.19893 0.591169 658.868 0.6603966 119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	115535	275.060	12.103225	311.765	12.19893	0.650182	736.731	0.7153441	745.7268
119619 271.165 13.376815 311.765 12.19893 0.575280 649.227 0.7227761 121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	117705	274.980	15.665745	311.765	12.19893	0.467457	557.876	0.7372913	819.6773
121968 277.430 14.092390 311.765 12.19893 0.481000 546.812 0.6540001 124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	118737	272.730	12.090160	311.765	12.19893	0.591169	658.868	0.6603966	712.2011
124468 278.530 12.453005 311.765 12.19893 0.494356 555.634 0.5713579 126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	119619	271.165	13.376815	311.765	12.19893	0.575280	649.227	0.7227761	776.9669
126463 274.085 12.412600 311.765 12.19893 0.546565 612.847 0.6311697 129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	121968	277.430	14.092390	311.765	12.19893	0.481000	546.812	0.6540001	744.3501
129122 268.440 13.892880 311.765 12.19893 0.489728 551.810 0.6717189 130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	124468	278.530	12.453005	311.765	12.19893	0.494356	555.634	0.5713579	662.2693
130648 251.340 11.791140 311.765 12.19893 0.615587 671.074 0.7178434	126463	274.085	12.412600	311.765	12.19893	0.546565	612.847	0.6311697	703.6436
	129122	268.440	13.892880	311.765	12.19893	0.489728	551.810	0.6717189	751.1088
191999 041 190 10 200907 041 825 10 10009 0 555000 500005 0 500005	130648	251.340	11.791140	311.765	12.19893	0.615587	671.074	0.7178434	747.3317
131332 241.130 10.680325 311.765 12.19893 0.575380 598.265 0.6390759	131332	241.130	10.680325	311.765	12.19893	0.575380	598.265	0.6390759	678.0350

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	$egin{array}{c} \mathrm{modern} \\ \mathrm{CO2} \\ \mathrm{[umol/mol]} \end{array}$	modern MGS temp [°C]	recon. MI [-]	$\begin{array}{c} {\rm recon.} \\ {\rm Pann} \\ {\rm [mm/day]} \end{array}$	corrected MI [-]	$\begin{array}{c} {\rm estimated} \\ {\rm Pann} \\ {\rm [mm/day]} \end{array}$
132984	224.630	10.841310	311.765	12.19893	0.569515	576.840	0.6897723	712.6992
134767	212.430	12.392455	311.765	12.19893	0.554306	565.570	0.8079030	812.8473
137439	201.460	11.926565	311.765	12.19893	0.407824	402.337	0.6702657	715.8351
138097	198.865	11.480050	311.765	12.19893	0.479383	474.336	0.7257836	745.9641
141499	194.630	10.685910	311.765	12.19893	0.462746	435.188	0.6773697	706.6086
144323	195.305	11.442350	311.765	12.19893	0.499911	494.118	0.7582218	775.3985
144967	194.805	12.916365	311.765	12.19893	0.467325	475.067	0.8181975	837.7139
148580	198.795	10.440630	311.765	12.19893	0.536004	516.319	0.7199553	735.4346
151686	202.350	12.964835	311.765	12.19893	0.347492	318.821	0.6677090	738.6501
153838	197.540	11.242885	311.765	12.19893	0.525301	519.071	0.7628825	770.7179
154746	197.540	10.348605	311.765	12.19893	0.466467	473.032	0.6496033	681.3880
155018	196.300	10.313355	311.765	12.19893	0.530626	570.840	0.7163867	722.2775
156122	192.840	12.884660	311.765	12.19893	0.366830	400.646	0.7207782	766.7363
157554	189.190	13.089500	311.765	12.19893	0.471197	523.752	0.8570010	856.3456
158915	187.250	13.276425	311.765	12.19893	0.467446	499.591	0.8735881	871.6622
160619	187.500	9.514260	311.765	12.19893	0.610210	561.909	0.7820524	719.6072
161695	187.500	12.010360	311.765	12.19893	0.446639	466.706	0.7714887	784.7089
162919	204.300	11.019520	311.765	12.19893	0.467616	557.340	0.6658199	697.8464
163882	200.400	11.145145	311.765	12.19893	0.443579	446.963	0.6635247	702.3046
164970	196.500	10.211168	311.765	12.19893	0.482802	480.064	0.6616631	671.5170
165836	191.600	12.244175	311.765	12.19893	0.440028	452.826	0.7617286	785.1126
167203	188.400	9.721515	311.765	12.19893	0.528851	550.686	0.7101146	710.7692
168643	185.250	12.880855	311.765	12.19893	0.491368	524.007	0.8822084	876.6988
169889	196.600	12.119125	311.765	12.19893	0.464273	491.173	0.7583771	785.0602
171139	197.200	10.251235	311.765	12.19893	0.532404	542.029	0.7109488	725.7134
171398	197.200	9.795615	311.765	12.19893	0.505406	509.456	0.6566416	681.7775
172514	197.750	11.878105	311.765	12.19893	0.582990	662.103	0.8598858	846.9248
172930	197.750	9.116090	311.765	12.19893	0.597110	623.266	0.7045808	701.8182
174149	197.700	9.733125	311.765	12.19893	0.466567	512.202	0.6124603	650.7838
175288	196.850	11.109840	311.765	12.19893	0.497959	542.365	0.7298321	750.0910
175565	196.850	11.614275	311.765	12.19893	0.536219	570.914	0.7995036	802.9866
176896	189.850	10.283620	311.765	12.19893	0.549047	605.307	0.7586593	751.9279
177960	190.100	12.862945	311.765	12.19893	0.511227	568.414	0.8800456	869.6569

age [cal yr BP]	palaeo CO2 [umol/mol]	palaeo MGS temp [°C]	modern CO2 [umol/mol]	modern MGS temp [°C]	recon. MI [-]	recon. Pann [mm/day]	corrected MI [-]	estimated Pann [mm/day]
179446	198.900	12.538305	311.765	12.19893	0.460554	454.328	0.7712496	797.4865
179707	207.700	12.398400	311.765	12.19893	0.356645	340.950	0.6233208	694.5406
181254	213.200	12.878315	311.765	12.19893	0.378381	389.529	0.6547220	722.9519
181849	215.450	12.580135	311.765	12.19893	0.397286	450.153	0.6485913	713.4504
182354	207.900	10.924135	311.765	12.19893	0.337109	290.629	0.5162886	592.9174
183523	198.900	10.255550	311.765	12.19893	0.364258	389.596	0.5368531	596.3879
184818	199.700	9.837763	311.765	12.19893	0.499713	478.917	0.6441735	625.9337
186603	207.050	11.920440	311.765	12.19893	0.368120	373.086	0.6089746	672.1906
189340	221.000	10.674150	311.765	12.19893	0.464490	442.187	0.5862542	642.0485
190307	231.350	9.972993	311.765	12.19893	0.506649	612.275	0.5568394	590.7066
191709	225.850	10.294565	311.765	12.19893	0.442095	502.227	0.5273021	597.4701
192795	219.150	10.022120	311.765	12.19893	0.479334	474.041	0.5688464	626.0805
194581	226.500	10.191110	311.765	12.19893	0.496187	495.060	0.5730713	634.6462
194846	226.500	11.431140	311.765	12.19893	0.441957	453.222	0.5909473	664.8147
195710	223.250	11.487825	311.765	12.19893	0.478354	491.296	0.6408374	700.8533