

Temperature(°C) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.109495126522913	0.30261695204566075
Sensor 10	Sensor 13	0.9604896622697116	0.0967952205686243
Sensor 10	Sensor 3	0.9707187311257439	0.026362618018883042
Sensor 10	Sensor 14	0.9328877996852164	0.052424387902064336
Sensor 10	Sensor 4	0.9414454708247179	0.22673387742038725
Sensor 10	Sensor 11	0.960623565722307	0.408186909905585
Sensor 9	Sensor 13	0.09254123616421588	0.39933283558210236
Sensor 9	Sensor 3	0.13210392665797313	0.3185771404200875
Sensor 9	Sensor 14	-0.04473090493569432	0.35172592079313475
Sensor 9	Sensor 4	0.09433556193691824	0.5293202537719253
Sensor 9	Sensor 11	-0.013342048428994023	0.20783327114759342
Sensor 13	Sensor 3	0.966164980352001	0.0807210282118287
Sensor 13	Sensor 14	0.9476374497153695	0.05418324356034346
Sensor 13	Sensor 4	0.9552216367138576	0.13001599914671214
Sensor 13	Sensor 11	0.9694083346906273	0.5049261372726789
Sensor 3	Sensor 14	0.9161236062901079	0.04319010555496323
Sensor 3	Sensor 4	0.9437611351926191	0.21073625846350694
Sensor 3	Sensor 11	0.9595260414485729	0.42421686746987963
Sensor 14	Sensor 4	0.955088462875272	0.17760676014287993
Sensor 14	Sensor 11	0.9634969382151941	0.45740928225075944
Sensor 4	Sensor 11	0.9573789393293001	0.6349512182118676

UV index Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	nan	0.00026670934016109245
Sensor 10	Sensor 13	-0.0001192951339217177	0.0003200512081933109
Sensor 10	Sensor 3	nan	0.00026670934016109245
Sensor 10	Sensor 14	nan	0.00026670934016109245
Sensor 10	Sensor 4	nan	0.00026670934016109245
Sensor 10	Sensor 11	-0.00020663625629407012	0.0004267349442577479
Sensor 9	Sensor 13	nan	5.33304890405845e-05
Sensor 9	Sensor 3	nan	0.0
Sensor 9	Sensor 14	nan	0.0
Sensor 9	Sensor 4	nan	0.0
Sensor 9	Sensor 11	nan	0.0001599061883694899
Sensor 13	Sensor 3	nan	5.33304890405845e-05
Sensor 13	Sensor 14	nan	5.33304890405845e-05
Sensor 13	Sensor 4	nan	5.33304890405845e-05
Sensor 13	Sensor 11	-9.238097018681003e-05	0.000213321956162338
Sensor 3	Sensor 14	nan	0.0
Sensor 3	Sensor 4	nan	0.0
Sensor 3	Sensor 11	nan	0.00015993176244802218
Sensor 14	Sensor 4	nan	0.0
Sensor 14	Sensor 11	nan	0.00015985506474130122
Sensor 4	Sensor 11	nan	0.00015994028895878872

Ambient light(x) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.9911029399983785	8.537263562169944
Sensor 10	Sensor 13	0.9908292549512235	19.14852563076759
Sensor 10	Sensor 3	0.9916947949852084	20.68519176401558
Sensor 10	Sensor 14	0.989439980020975	52.701323411745875
Sensor 10	Sensor 4	0.9913297905877384	55.22304582066465
Sensor 10	Sensor 11	0.9907324722194649	20.987507867925533
Sensor 9	Sensor 13	0.9903504014878063	27.68570369580289
Sensor 9	Sensor 3	0.9910370432178464	29.2226980488325
Sensor 9	Sensor 14	0.9908190429921181	61.23888918501146
Sensor 9	Sensor 4	0.9906494360276457	63.76051234205897
Sensor 9	Sensor 11	0.9920200242611824	29.525037577954265
Sensor 13	Sensor 3	0.9913753057380974	1.5472033491547146
Sensor 13	Sensor 14	0.9887327338364823	33.55295610900752
Sensor 13	Sensor 4	0.991134147228233	36.07472134819477
Sensor 13	Sensor 11	0.9897887546520333	1.8476630579702416
Sensor 3	Sensor 14	0.9907499578191313	32.016138181042756
Sensor 3	Sensor 4	0.9952378047674186	34.53786586341099
Sensor 3	Sensor 11	0.9924221712559063	0.530991043821302
Sensor 14	Sensor 4	0.9919526912209314	2.5220776243535785
Sensor 14	Sensor 11	0.992610446663545	31.71385463846113
Sensor 4	Sensor 11	0.9926160577838408	34.23562083488831

Pressure(mbar) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.9996506474836239	1.0813295460607033
Sensor 10	Sensor 13	0.9997418936726098	0.8565783325332048
Sensor 10	Sensor 3	0.9996194031755181	0.3918487758041291
Sensor 10	Sensor 14	0.9996615700721493	0.6421302074998667
Sensor 10	Sensor 4	0.9996269249543178	0.8727778311196462
Sensor 10	Sensor 11	0.9995206381335349	0.7304392169413768
Sensor 9	Sensor 13	0.9996508333104434	1.9379112047357472
Sensor 9	Sensor 3	0.999623058742296	0.689466574261648
Sensor 9	Sensor 14	0.999694514796313	0.43917893502478544
Sensor 9	Sensor 4	0.9995681558251414	0.20856171029482304
Sensor 9	Sensor 11	0.9995797374635772	0.35084920846436807
Sensor 13	Sensor 3	0.9996326243725195	1.248436243400352
Sensor 13	Sensor 14	0.9996841711435899	1.4987187883312885
Sensor 13	Sensor 4	0.9996449055782118	1.7293573676070606
Sensor 13	Sensor 11	0.9994813773440577	1.5870332248946715
Sensor 3	Sensor 14	0.9996348782486562	0.25028569143831936
Sensor 3	Sensor 4	0.9996440185727118	0.480906594871248
Sensor 3	Sensor 11	0.9997433751740636	0.3386073675231893
Sensor 14	Sensor 4	0.9995292240239295	0.2306214746494644
Sensor 14	Sensor 11	0.9995277821398119	0.089111205840038
Sensor 4	Sensor 11	0.9994936402673937	0.1423098043397139

humidity(%) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.3561706925513851	1.3450888142102735
Sensor 10	Sensor 13	0.9769308272753982	0.34911345815330463
Sensor 10	Sensor 3	0.9869012400246379	0.4069312423321066
Sensor 10	Sensor 14	0.9541906983235297	1.1573174374566593
Sensor 10	Sensor 4	0.9512145723550667	0.07749933322664992
Sensor 10	Sensor 11	0.9650276085274977	1.5904288686189791
Sensor 9	Sensor 13	0.34262545535554584	0.9959266172470801
Sensor 9	Sensor 3	0.31000381991945003	0.9380296406866403
Sensor 9	Sensor 14	0.2484267779370276	0.21869196737913738
Sensor 9	Sensor 4	0.24672008666834724	1.2994562030175398
Sensor 9	Sensor 11	0.19005533402085617	0.4499626885560472
Sensor 13	Sensor 3	0.9831693964022765	0.06076049277371874
Sensor 13	Sensor 14	0.9742138498454465	0.8081840968481676
Sensor 13	Sensor 4	0.9684032096484443	0.3035816756439655
Sensor 13	Sensor 11	0.9760280707177875	1.2413295290917816
Sensor 3	Sensor 14	0.9612369112140815	0.7503289263247677
Sensor 3	Sensor 4	0.965650455521758	0.36141600469158164
Sensor 3	Sensor 11	0.9794351904865966	1.183531826420727
Sensor 14	Sensor 4	0.9835186013104715	1.1117502798955048
Sensor 14	Sensor 11	0.9787206124618731	0.43327010177439146
Sensor 4	Sensor 11	0.9790885073522791	1.5449453537346054

sound level(dB) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.9118790395943404	1.3618813676854964
Sensor 10	Sensor 13	0.9134020588766292	1.3633055955619566
Sensor 10	Sensor 3	0.9059340094271393	1.5286381821091373
Sensor 10	Sensor 14	0.9078140913186915	1.3774790633167973
Sensor 10	Sensor 4	0.9110694151485357	1.3735483010615033
Sensor 10	Sensor 11	0.9065266100763998	1.386114044913853
Sensor 9	Sensor 13	0.9126644174814402	1.3440787158018241
Sensor 9	Sensor 3	0.9097560964899943	1.4501023563279665
Sensor 9	Sensor 14	0.919746156750504	1.2880779276157988
Sensor 9	Sensor 4	0.9154426857689281	1.3249928026869968
Sensor 9	Sensor 11	0.9175570863588383	1.2881317626992166
Sensor 13	Sensor 3	0.9097068521210353	1.4069820276251932
Sensor 13	Sensor 14	0.9076451464088109	1.3808495546904165
Sensor 13	Sensor 4	0.9127327094265293	1.3396693509679485
Sensor 13	Sensor 11	0.9079052439430466	1.3507706255666365
Sensor 3	Sensor 14	0.9037419918237237	1.5221238938053097
Sensor 3	Sensor 4	0.9155429774784949	1.4290734125926319
Sensor 3	Sensor 11	0.9078769187835262	1.4490073568610726
Sensor 14	Sensor 4	0.9109752723323751	1.3108140960708003
Sensor 14	Sensor 11	0.9116655703550215	1.3184302232642404
Sensor 4	Sensor 11	0.9132132129241135	1.3112917844004903

CO2(ppm) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.9965214591187629	188.74059849575931
Sensor 10	Sensor 13	0.9923253149530153	35.424974662612684
Sensor 10	Sensor 3	0.868678951709489	273.80780924947993
Sensor 10	Sensor 14	0.8194731867232647	390.76588254120657
Sensor 10	Sensor 4	0.891986232203778	276.7457193150904
Sensor 10	Sensor 11	0.9664694703668764	79.75713447484931
Sensor 9	Sensor 13	0.9956588359840045	182.11652711855368
Sensor 9	Sensor 3	0.8662883716502071	455.072342467214
Sensor 9	Sensor 14	0.8217831219649939	579.5811523905975
Sensor 9	Sensor 4	0.8975691713163302	463.128112171456
Sensor 9	Sensor 11	0.9698327624239897	236.94152763711955
Sensor 13	Sensor 3	0.8853519261185016	277.43187030025064
Sensor 13	Sensor 14	0.8108196629443144	398.06863633939525
Sensor 13	Sensor 4	0.9257927363425038	282.6415124526692
Sensor 13	Sensor 11	0.9731353732903495	69.42397738787265
Sensor 3	Sensor 14	0.6592969794738365	137.03587802537584
Sensor 3	Sensor 4	0.923956819451145	26.096603934531107
Sensor 3	Sensor 11	0.8694298635808805	231.32060987312082
Sensor 14	Sensor 4	0.6722567751046351	118.82993015940716
Sensor 14	Sensor 11	0.7908170390581791	362.12276868972134
Sensor 4	Sensor 11	0.9089981507309853	245.02745641627126

VOCs(ppb) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.9964318055066476	2.872587614018243
Sensor 10	Sensor 13	0.9922835732140716	0.5360110951085506
Sensor 10	Sensor 3	0.8699603110243572	4.161860564356965
Sensor 10	Sensor 14	0.79931429124978	5.9540726516242595
Sensor 10	Sensor 4	0.8916588543519244	4.207441190590494
Sensor 10	Sensor 11	0.9663286763305934	1.2098202379047314
Sensor 9	Sensor 13	0.9957065779799276	2.7761346061543386
Sensor 9	Sensor 3	0.8677833574841062	6.926122187866511
Sensor 9	Sensor 14	0.8010810105724251	8.830574063216247
Sensor 9	Sensor 4	0.8977818286892736	7.04694780615237
Sensor 9	Sensor 11	0.9698209878041764	3.606273652790363
Sensor 13	Sensor 3	0.8868421499625402	4.2159831475654626
Sensor 13	Sensor 14	0.7897798701714471	6.063095301583916
Sensor 13	Sensor 4	0.9258610352441963	4.295797557463602
Sensor 13	Sensor 11	0.9731025156548463	1.0499600021332196
Sensor 3	Sensor 14	0.6442639750366308	2.0919234459963745
Sensor 3	Sensor 4	0.9230389344053419	0.39487124806738816
Sensor 3	Sensor 11	0.8705636910390777	3.5220972385115683
Sensor 14	Sensor 4	0.6500827583276393	1.818910273497894
Sensor 14	Sensor 11	0.7702268386432363	5.520866414450898
Sensor 4	Sensor 11	0.9089048205440472	3.7266247267686734

magnetic field(μ T) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 10	Sensor 9	0.002602709781194335	172.15277111004428
Sensor 10	Sensor 13	0.0023403617981591807	228.78700592094737
Sensor 10	Sensor 3	0.0010903289322280623	147.0708380007468
Sensor 10	Sensor 14	0.011142731300450383	222.69205739585001
Sensor 10	Sensor 4	-0.007968363621903186	227.3748333066624
Sensor 10	Sensor 11	0.007064554399464943	78.55448871819492
Sensor 9	Sensor 13	-0.006212579286062543	190.18329689083248
Sensor 9	Sensor 3	0.010438606512278431	177.54899242989657
Sensor 9	Sensor 14	0.0007484261544211338	187.12877778370023
Sensor 9	Sensor 4	-0.005471075932475331	188.9592152263155
Sensor 9	Sensor 11	-0.015462258629328485	178.0487713874527
Sensor 13	Sensor 3	-0.011836526546590915	111.5233854194443
Sensor 13	Sensor 14	-0.0009112368904690861	77.69708282224948
Sensor 13	Sensor 4	-0.0014614258423108007	82.53357154285105
Sensor 13	Sensor 11	-0.01354449866897961	244.33134232840916
Sensor 3	Sensor 14	-0.01225258030633558	94.25023989764367
Sensor 3	Sensor 4	-0.0015501175987984088	103.78472037106147
Sensor 3	Sensor 11	-0.001150797414966457	175.4867256637168
Sensor 14	Sensor 4	-0.006171572418235208	71.63693554406355
Sensor 14	Sensor 11	-0.004708487184196072	240.52975968455266
Sensor 4	Sensor 11	-0.0019518327138975632	243.2194913898811